It’s Up and Running, Now What?
Strategies for Building Content in an Institutional Repository

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If you build it...

Peter Suber predicted that in 2007, “[Institutional repositories] will soon be a new fact of life for universities, like libraries or web sites, and the discussion will shift from their utility to the best practices for filling them.”

Today

- A brief history of SMARTech
- A brief description of Aardvark
- A brief description of the Epage @ Tech service
- Strategies used to collect materials
- Future collecting strategies
- Discussion
A Brief History of SMARTech

- Digital Initiatives formed in January 2003
- ETD pilot Fall 2003 – Required June 2004
- SMARTech launch August 1, 2004
- DSpace
Our Mission

- Preserve and provide access to the intellectual output of Georgia Tech in digital format.
- Make this output more valuable through digital information technologies.
- Provide this in support of the research and educational endeavors of the Georgia Tech community.
Policies

- Permanent
- Clear copyright / Produced by Georgia Tech community
- Sustainable formats
- “Typical” library and archives materials
- Materials not always catalogued
- Metadata
- Library inputs as much as needed
Populating SMARTech

- Began with the idea of self-submission of faculty work
- Evolved into library submission of digital output of campus units and...
- Harvesting from other repositories and...
- Includes library submission of faculty and departmental output and...
- Partnerships that produce and capture content and hopefully
- Self-submission of faculty work
## SMARTech statistics

<table>
<thead>
<tr>
<th></th>
<th>9/25/06</th>
<th>9/27/07</th>
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<tbody>
<tr>
<td>Items</td>
<td>9,287</td>
<td>13,540</td>
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<td>Authors</td>
<td>7,404</td>
<td>10,915</td>
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</table>
## SMARTech statistics

<table>
<thead>
<tr>
<th>Fiscal year</th>
<th>Action</th>
<th>Searches</th>
<th>Item records viewed</th>
<th>Downloads</th>
</tr>
</thead>
<tbody>
<tr>
<td>2005-2006</td>
<td></td>
<td>50,434</td>
<td>1,000,791</td>
<td>489,292</td>
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<tr>
<td>2006-2007</td>
<td></td>
<td>261,464</td>
<td>1,407,041</td>
<td>1,698,792</td>
</tr>
</tbody>
</table>
SMARTech

- August 2004-June 2005
  - Added 4,500 items/400 mo = 4,500
- July 2005-June 2006
  - Added 3,366 items/280 mo = 7,866
- July 2006-June 2007
  - Added 4,406 items/367 mo = 12,272
A Brief Description of

- Dark
- Not everything fit in SMARTech
- Not everything can be open access
- Archival, masters, copyright & rights restricted materials
- DSpace because we already used it
- Back end to future exhibits
A Brief Description of

- 1,500 bitstreams 240G (12/2006)
- 12,500 bitstreams 641G (7/2007)
Evolution of SMARTech

- Product vs. Service
A Brief Description of

- Service layer
- Creation, capture, and support for e-journals, conferences, lecture series
- OJS and OCS
GEORGIA TECH ALREADY PROVIDES...

iTOD
Open access journal
support for Information
Technologies and
International Development
with Dr. Michael Best,
Co-founder and
Co-Editor-in-Chief iTOD.

iFEE
Support for conferences and
their proceedings
Electronic Thesis &
Dissertations
Metadatabase
Leadership in national
efforts for the preservation
of electronic scholarly
materials through the
Library of Congress:
National Digital Information
Infrastructure and
Preservation Program (NDIIPP)

Why?
Georgia Tech is a worldwide center of excellence for
engineering, technology, and scientific innovation.
Dissemination of GT innovations must happen globally and
promptly for maximum impact in today’s world. The Electronic
Press At Georgia Tech (EPTech) project provides a
digital platform to disseminate GT-produced knowledge
rapidly to information users at any time, in any
Internet-ready location they reside, and will preserve
that knowledge digitally for future learners to come. EPTech is an
important program because:

• Georgia Tech’s intellectual output should be managed and
  preserved by Georgia Tech
• Research indicates increased citation impact for research
  available freely online (see References below)
• Researchers are already using e-print servers (PubMed
  Central, Preprint, arXiv, CogPrints)
• Granting agencies increasingly tend to require open access
  archiving or long term posting of research outcomes (i.e.:
  NSF, NIH)
• Serials costs to libraries rise dramatically every year

Georgia Tech Open Access
and Scholarly Communication

The scholarly communication crisis refers to the current and
future erosion of access to the scholarly literature resulting
from the inability of institutional library budgets to keep pace
with the steeply rising cost of journal subscriptions and
scholar’s loss of rights to their works as a result of signing
away copyright.

One response to this crisis is the Open Access (OA) Movement.
In its purest form, Open Access publishing provides
immediate, free public access to scholarly publications on the
Internet, whether in the form of open access journals or
through some form of archiving.

EPTech@Tech is Georgia Tech’s response to this crisis in
scholarly communication.

Endorsement
“iTOD is the first and only MIT Press journal to be published as
Open Access and our collaboration with the Georgia Tech
Library has been critical to the journal successfully managing
this new publication model. The Library’s support and
leadership is ensuring that iTOD will have more impact, a
richer and more collaborative online environment, and will be
far better able to serve a world-wide scientific community. The
entire iTOD team – including the editorial office, the MIT Press,
and the Georgia Tech Library – will all together help define the
future of scholarly publication.”

Dr. Michael Best
Director of the Open Scholarship Center

Georgia Tech’s Electronic
Press provides services in
a number of areas...

Publishing
Electronic Books
Journals
Conference Proceedings
Capturing
Instructional Materials
Multimedia
Hosting
Conferences
Symposia
Lecture Series

http://epage.gatech.edu/
What we’re doing

- Technical support and training
- Partner to leverage current electronic workflows
- Production services
- Introducing these services to faculty members
Technical support and training

- Graduate School – ETDs (6786)
- Alumni Association - yearbook
- Technique - server space
Partner to leverage current electronic workflows

- Architecture
- Office of Sponsored Programs – GTRI
- Grant requirements
- Technique
Production Services

- Electronic journals
  - ITID
  - URJ
- Conferences
  - ER&L
- Lecture series, symposia, events, etc.
  - Haunting Histories
  - Distinguished lectures
  - Dr. Pete Ludovice
• Planned services to introduce these services into individual faculty members’ workflows
Examples
Michael Best

- Assistant Professor, Sam Nunn School of International Affairs and College of Computing
- Co-Founder and Co-Editor-in-Chief, Information Technologies and International Development
ITID Goes Open Access! Access full content for free below.

Download the latest Call for Papers (PDF)

Informative, lively, and provocative, Information Technologies and International Development focuses on the intersection of information and communication technologies (ICT) with international development. We aim to create a networked community of leading thinkers and strategists to discuss the critical issues of ICT and development, an epistemic community that crosses disciplines (especially technologists and social scientists), national boundaries, and the North and South hemispheres.

The audience for Information Technologies and International Development comes from academia, the private sector, NGOs, and government. It attracts readers interested in the "other four billion" - the share of the world population whose countries are not yet widely connected to the Internet nor widely considered in the design of new information technologies.

http://www.mitpressjournals.org/loi/itid
Open Journal Systems

Open Journal Systems (OJS) is a journal management and publishing system that has been developed by the Public Knowledge Project through its federally funded efforts to expand and improve access to research.

OJS Features

1. OJS is installed locally and locally controlled.
2. Editors configure requirements, sections, review process, etc.
3. Online submission and management of all content.
4. Subscription module with delayed open access options.
5. Comprehensive indexing of content part of global system.
6. Reading Tools for content, based on field and editors' choice.
7. Email notification and commenting ability for readers.
8. Complete context-sensitive online Help support.

OJS assists with every stage of the refereed publishing process, from submissions through to online publication and indexing. Through its management systems, its finely grained indexing of research, and the context it provides for research, OJS seeks to improve both the scholarly and public quality of referred research.

OJS is open source software made freely available to journals worldwide for the purpose of making open access publishing a viable option for more journals, as open access can increase a journal's readership as well as its contribution to the public good on a global scale (see PKP Publications).
Conference Support

- PKP Open Conference Systems
  http://pkp.sfu.ca/?q=ocs

- Space Systems Engineering
- Recycling of Fibrous Textile and Carpet Waste
- Electronic Resources and Libraries
- LCC Symposium on women’s health
Georgia Tech Conferences

Community home page

Sub-communities within this community

- Electronic Resources and Libraries Conference [36]
- Recycling of Fibrous Textile and Carpet Waste Conference [185]
- Space Systems Engineering Conference [36]

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Capture

- Library’s Tuesday Talks
- WREK’s Tech Talk
- LCC’s 1906 Atlanta Race Riot panel
- WREK’s Interview with Dr. Clough
- LCC’s Symposium on women’s health
Pete Ludovice
Ron Broglio
Digital Collections

- Digital Collections
- A Photographic Atlas of Selected Regions of The Milky Way by E.E. Barnard
- Fulton Bag and Cotton Mills
Scholarly Communication

Crisis in Scholarly Communication

Overview
Scholarly communication is the system whereby researchers communicate their ideas to peers and others in the scholarly community. It includes the creation, evaluation, distribution, and preservation of the output of researchers and scholars, often in peer-reviewed journals. Libraries play a key role in the process as they provide the access to and preservation of scholarship without which further scholarship would be impeded.

An important part of the process of scholarly communication is the broadest possible sharing of academic publications among scholars and students worldwide.

Crisis
The scholarly communication crisis refers to the current and future erosion of access to the scholarly literature resulting from the inability of institutional library budgets to keep pace with the rising cost of journal subscriptions and scholar’s increasing loss of rights to their works as a result of signing away copyright.

Graph 1. Serials prices skyrocket in research libraries across the US and Canada. The graph shows just how drastically by comparing it to the consumer price index.

Libraries and their institutions worldwide can no longer keep...
Discussion
Thank You!
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