



It's Up and Running, Now What?

Strategies for Building Content in an
Institutional Repository

**LITA National Forum ♦ Denver, Colorado
October 6, 2007**

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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.”

SPARC Open Access Newsletter, Issue #104,
<http://www.earlham.edu/~peters/fos/newsletter/12-02-06.htm>,
accessed 09.21.2007

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

SMARTech
Scholarly Materials And Research at Georgia Tech

Georgia Tech Library & Information Center

Search SMARTech
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Georgia Tech's Institutional Repository >

If you would like to know more about SMARTech or would like to become an adopter, contact us at smartech@library.gatech.edu.

Search
Enter some text in the box below to search SMARTech.
Go

Communities in SMARTech
Choose a community to browse its collections.

- [Archives and Records Management](#) [816]
- [Center for Experimental Research in Computer Systems \(CERCS\)](#) [114]
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- [Graphics, Visualization, and Usability Center \(GVU Center\)](#) [507]

What is SMARTech?
SMARTech houses Georgia Tech research in digital format, including

- Annual Reports
- Conference Papers
- Electronic Theses & Dissertations
- Learning/Complex Objects
- Models
- Newsletters
- Pre-Prints/Post-Prints
- Proceedings
- Research Reports
- Simulations
- Technical Reports
- Web Pages
- White papers
- Working Papers

RSS Feeds
RSS 1.0 RSS 2.0

<http://smartech.gatech.edu>

SMARTech statistics

	9/25/06	9/27/07
Items	9,287	13,540
Authors	7,404	10,915

SMARTech statistics

Action Fiscal year	Searches	Item records viewed	Downloads
2005-2006	50,434	1,000,791	489,292
2006-2007	261,464	1,407,041	1,698,792

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...**

[SMARTech](#)
an open access repository

[ITID](#)
Open access journal
support for *Information
Technologies and
International Development*
with Dr. Michael Best,
Co-founder and
Co-Editor-in-Chief *ITID*,
Sam Nunn School of
International Affairs and
the College of Computing.

[Georgia Tech Conferences](#)
Support for conferences
and their proceedings

[Electronic Theses &
Dissertations](#)

[MetaArchive](#)
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 @ Georgia Tech, a GT library-managed service, will provide 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. Epage 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, PLoS, 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.

Epage@Tech is Georgia Tech's response to this crisis in scholarly communication.

Endorsement

"ITID 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 ITID will have more impact, a richer and more collaborative online environment, and will be better able to serve a world-wide epistemic community. The entire ITID team - including the editorial office, the MIT Press, and the Georgia Tech Library - will together help define the future of scholarly publication."

Dr. Michael Best
Sam Nunn School of International Affairs and the College of

**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

[Download the
Epage@Tech handout.](#)

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SMARTech handout.](#)

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<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





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Dr. Ernest J. Wilson III and Dr. Michael L. Best, Editors-in-Chief

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.

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Volume 1

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<http://www.mitpressjournals.org/loi/itid>



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Home » Software and Services

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**).



Canadian Centre for Studies in Publishing

Featured OJS Journals

- **electronic Journal of Health Informatics (eJHI)**
- **International Journal of Design**

Featured OCS Conferences

- **Digital Games Research Association Conference**

PKP Harvester Search

Search

Search

Search

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

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Georgia Tech Conferences

Community home page

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Capture

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- [WREK's Interview with Dr. Clough](#)
- [LCC's Symposium on women's health](#)

Pete Ludovice



Ron Broglio





Mark Ferguson



Digital Collections

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Scholarly Communication

	Library and Information Center	
INFORMATION ABOUT:	OPEN ACCESS AND SCHOLARLY COMMUNICATION	NEWS:
<p>CRISIS IN SCHOLARLY COMMUNICATION</p> <p>THE COLLECTIVE RESPONSE</p> <p>THE GEORGIA TECH RESPONSE</p> <ul style="list-style-type: none">• Serials Review website• Open Access @ GT <p>RESOURCES:</p> <ul style="list-style-type: none">• for Authors• for Librarians	<h2><i>Crisis in Scholarly Communication</i></h2> <p>Overview</p> <p>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.</p> <p>An important part of the process of scholarly communication is the broadest possible sharing of academic publications among scholars and students worldwide.</p> <p>Crisis</p> <p>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.</p> <div data-bbox="753 991 814 1071"></div> <p>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.</p> <p><small>Source: ARL Statistics 2003-04, Association of Research Libraries, Washington, D.C.</small></p> <p>view graph</p> <p>Libraries and their institutions worldwide can no longer keep</p>	<ul style="list-style-type: none">▶ Latest SPARC Open Access Newsletter▶ Cambridge University Press Journals launch Open Access▶ Provosts from nearly 50 universities support public-access legislation

Done

Discussion

Thank You!

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