

**San Jose State University**

---

**From the Selected Works of Anita S. Coleman**

---

August 25, 2004

# Information Technology and Society Research Lab

Anita S. Coleman, *University of Arizona*



Available at: <https://works.bepress.com/anita-coleman/59/>



# **ITS Research Lab**

An ACIST-TRIF (formerly Prop 301)  
2004-2005 Initiative

SIRLS, UA, Aug. 25, 2004

# Information Technology & Society Research Lab

1. Values, Genesis & Development

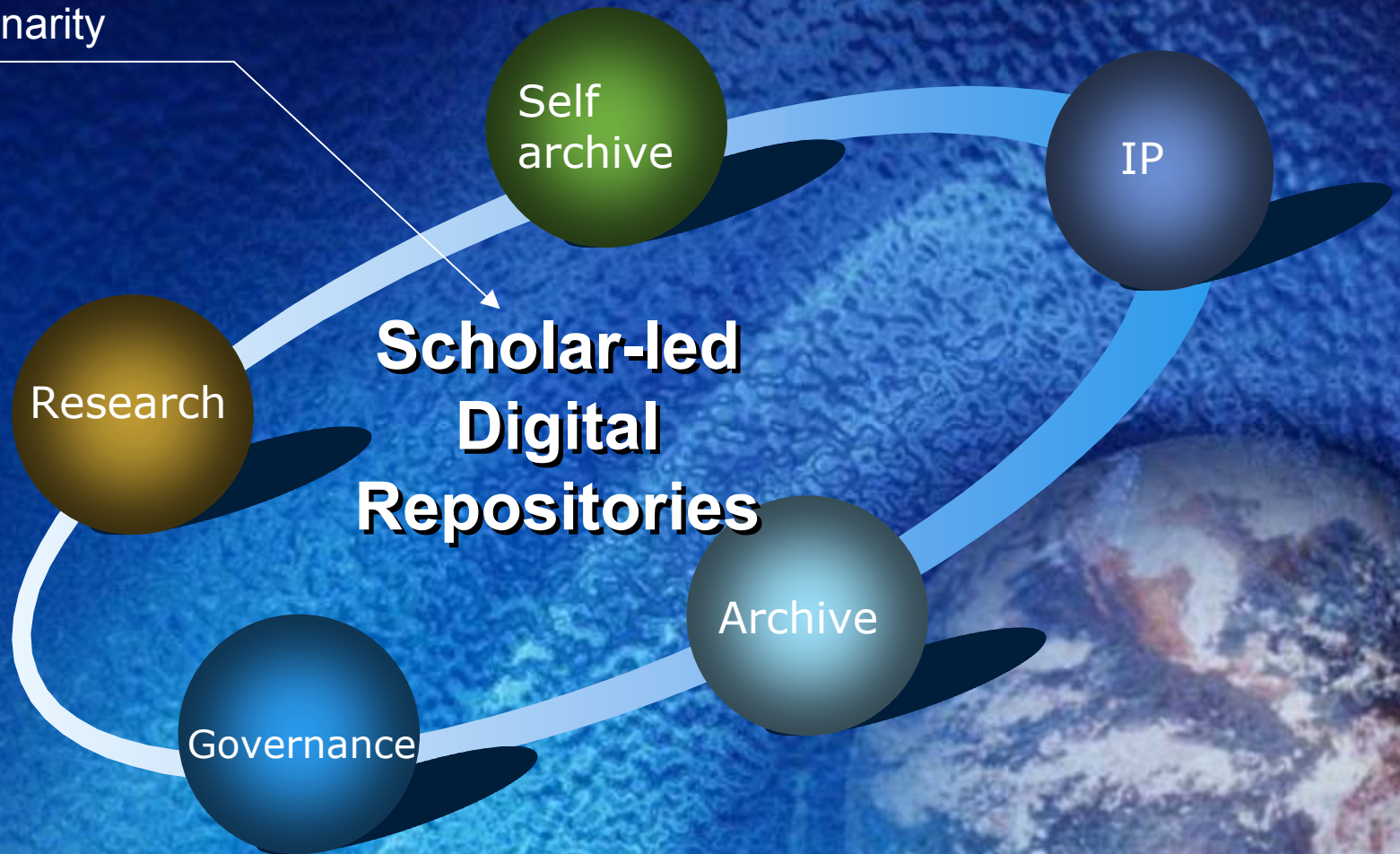
2. Composition (Who we are)

3. What You Can Do

4. Acknowledgments & References

# ITS Research Lab – Values

Open Access, Community (source & content) development, Human augmentation (HCI), Interdisciplinarity



Welcome to DLIST - Microsoft Internet Explorer


File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Media Refresh Print Mail

Address http://dlist.sir.arizona.edu/

Google luhn indexing Search Web PageRank 258 blocked AutoFill Options luhn indexing

---




[Home](#) | [About](#) | [Browse](#) | [Search](#) | [Register](#) | [User Area](#) | [Credits](#) | [Help](#)

## Digital Library of Information Science and Technology

Search the Titles, Abstracts and Keywords



<p><a href="#">Browse</a></p> <p><a href="#">Latest Additions</a></p> <p><a href="#">Simple Search</a></p> <p><a href="#">Advanced Search</a></p> <p><a href="#">Registered Users Area</a></p> <p><a href="#">Register</a></p> <p><a href="#">Subscribe</a></p>	<p>Browse the archive by <a href="#">Subject</a> or <a href="#">Year</a>.</p> <p>View items added to the archive in the past week.</p> <p>Search the archive using the most common fields.</p> <p>Search the archive using a more complex range of fields.</p> <p>Registered users may submit items to the archive.</p> <p>Register for an account (or reset a forgotten password).</p> <p>Subscribe to the DLIST listserv and get email alerts.</p>
---	--

---



**THE UNIVERSITY OF ARIZONA**  
HEALTH SCIENCES CENTER

The DLIST Archive is a service of the [School of Information Resources and Library Science](#) and [Arizona Health Sciences Library, University of Arizona](#). Seed monies for DLIST are from the University of Arizona College of Social and Behavioral Sciences and the Proposition 301 funded initiative of the [Internet Technology Commerce and Design Institute](#). DLIST is running on *EPrints2* archive-creating software, which generates eprints archives that are compliant with the Open Archives Protocol for Metadata Harvesting OAI 2.0.

**Contact Details:**  
 Site Administrator: [Paul Bracke](#) | Project Manager: [Paul Bracke](#)  
 PI: [Anita Coleman](#)

http://dlist.sir.arizona.edu/

start | u.arizona.edu | Welcome to DL... | Google Search: | Calendar - Mic... | Microsoft Powe... | proposal | Adobe Acrobat ... | submitted - Mic... | Internet | 7:53 AM

# Goals

*“We will establish a DLIST test environment, conduct research about the cultural/social norms and conventions in the IS/IT disciplines, and foster synergistic teaching and service activities that build the intellectual commons and positively impact interdisciplinary scholarly communication.”*

# ITS Research Lab – Development

## Phase 1

1. DLIST
2. Informal Partners & Policies
3. Outreach
4. Internship
5. Advisory Board

## Phase 2

1. Planned Architecture
2. Funding
3. Formal Partners & Policies
4. Testbed
5. Services

## Phase 3

1. Framework for the future
2. ITS Disciplines
3. Identifying IT
4. Studying use and users
5. Pilot data

# Current ITSRL Composition



Graduate students since inception: *G. Gupta\**, *Yu Su*, *S. Karthik\**, *S. Nelson*, *J. Caldwell*, *D. Lehman*

Interns: *W. Hornbaker (IP)*, *Youfen Su (Collection & Metadata)*

Liaisons: *A. Slavic* and *M. I. Cordeira (EU)*

SIRLS, UA, Aug. 25, 2004



# What You Can Do

1. Self-archive in DLIST – <http://dlist.sir.arizona.edu/>
2. See if DR are an IT that you can use 1) Teaching 2) Research 3) Service
  1. Examples: IRLS 589, Webmetrics study, repository for NSF-funded DLs
3. Participate and Advise re the ITS RL Goals for 04-05
  1. Goal 1: Increase collection size and community size
  2. Goal 2: Formalize affiliations with ARL, ALISE, SHERPA
  3. Goal 3: Build the DLIST testbed for research
    1. Automated metadata generation
    2. Harvesting, Focused crawling, Federated searching
    3. Rights (CTA)
    4. Social informatics (pilot study of DR user and usage data)

# Acknowledgements

Prop 301 funding – Diana Archangeli, SBSRI

Brooke Sheldon – Former SIRLS Director

Gary Freiburger – AHSL Director

Numerous other participants and well-wishers

- Advisory Board – Robert Williams, Birger Hjorland, Chris Khoo, Rachel Bowers
- Peter Suber (Earlham)
- UA folks - Chen (MIS), GROW (College of Engineering)
- Outside UA – NSDL EIESC folks (MatDL, DLESE, MathForum)

GRAs and Interns

SIRLS students (through Coleman's courses)

# Selective References

1. Eprints Survey of Non-Users and Users. <http://www.ecs.soton.ac.uk/~harnad/Hypermail/Amsci/1204.html>
2. Google Teams Up with 17 Colleges to Test Searches of Scholarly Materials. Chronicle of Higher Education, April 2004. <http://chronicle.com/free/2004/04/2004040901n.htm>
3. Harnad, S. "The self-archiving initiative" *Nature*, 410, 1024-1025, 2001.
4. Harnad, S. , Carr, W. and Brody, T. How and Why to Free all refereed Research From Access and Impact Barriers – Online – Now. URL: <http://cogprints.ecs.soton.ac.uk/archive/00001640/index.html>
5. Harnad, S. Enhance UK research impact and assessment by making the RAE webmetric <http://www.ecs.soton.ac.uk/%7Eharnad/Temp/thes.html>
6. Harwood, J. at al. Information Technology and Society. Unpublished grant proposal.
7. Ingwersen, P. , Larsen, B., Wormell, I. Applying diachronic citation analysis to research program evaluations. In Cronin & Atkins, editors. *The Web of Knowledge*. Medford, New Jersey: Information Today, 2000.
8. King, D, Tenopir, C., Montgomery, C. H., Aerni, S. A. Patterns of journal use by faculty at three diverse universities. *D-Lib Magazine* 9(10), October 2003.
9. Kling, Rob., McKim, G. Not just a matter of time: Field differences and the shaping of electronic media in supporting scientific communication. URL: [http://www.slis.indiana.edu/CSI/wp99\\_02.html](http://www.slis.indiana.edu/CSI/wp99_02.html)
10. Lawrence, S. Free online availability substantially increases a paper's impact. <http://www.nature.com/nature/debates/e-access/Articles/lawrence.html> Viewed: 05/13/04
11. Lynch, C. Institutional archives: Essential infrastructure for scholarship in the digital age. ARL BiMonthly Report 226, February 2003. <http://www.arl.org/news/itr/226/ir.html>
12. Snow, C. P. *The Two Cultures and the Scientific Revolution*. Cambridge: Cambridge University Press, 1999.
13. SPARC: Scholarly Publishing and Academic Resources Coalition. <http://www.arl.org/sparc/>
14. Tenopir, C., King, D. The Use and Value of Scientific Journals: Past, Present and Future. *Serials* (July 2001): 113-120.

# Publications

- Coleman, A. Use of Citations and Links in Online Teaching Materials. Forthcoming (Accepted). *Journal of the American Society for Information Science and Technology*
- Coleman, A., \*Bracke, P., and \*Karthik, S. 2004. Integration of Non-OAI resources for federated searching in DLIST, an Eprints repository. *D-Lib Magazine*, 10 (7/8): July/August. Available online. URL: <http://www.dlib.org/dlib/july04/coleman/07coleman.html>
- Coleman, A. and \*Bracke, P. 2003. DLIST: Building an International Scholarly Communication Consortium for Library and Information Science. In *Mapping Technology on Libraries and People*, Edited by T.A.V. Murthy, et al. New Delhi, INFLIBNET, 2003. Also published in *Proceedings of the First International Conference on Library Automation in Education and Research Institutions, CALIBER 2003*, Ahmedabad, India, Feb. 13-16. Available in three formats: Paper, CD-ROM, and [online](#).

# Productivity (prior to lab inception)

## Research productivity:

1. Number of peer reviewed journal articles published: 3
2. Number of conference presentations: 5
3. Number of posters: 4
4. Number of colloquia: 1
5. Number of external grant proposals submitted: 1
  - Status: Rejected, requested approx. \$ 400,000, NSF NSDL 2003 program
6. Number of special issues (on Digital Repositories) in press (Forthcoming, accepted): 1
7. Number of articles in progress: 2

## Teaching productivity:

1. Number of semesters in which DLIST has been used in teaching: 4 (since 2002 fall)
2. Number of courses in which DLIST is currently used regularly: 4 (1 undergraduate and 3 graduate SIRLS courses)
3. Number of internships with DLIST available per year: 4
4. Number of individual studies supervised in this area: 1
5. Number of interns: 1
6. Number of students who have been taught and trained to use DLIST: ~ 200
7. Number of faculty to whom DLIST has been demonstrated: ~ 30 SIRLS faculty, UA Library Scholarly Communication team, Eller College and College of Engineering faculty