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
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)

Liasons: A. Slavic and M. I. Cordeira (EU)

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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)

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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

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
Publications

• Coleman, A. Use of Citations and Links in Online Teaching Materials. Forthcoming (Accepted). *Journal of the American Society for Information Science and Technology*


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