CIRSS conducts research on information problems that impact scientific and scholarly inquiry.

cirss.lis.illinois.edu

GSLIS Education Programs
Preparing students for positions in data science, data analytics, data curation, data stewardship, data librarianship and related roles.

Specialization in Data Curation
http://www.lis.illinois.edu/academics/degrees/specializations/data_curation

Specialization in Socio-technical Data Analytics (SODA)
http://www.lis.illinois.edu/academics/degrees/specializations/soda

Events
CIRSS Seminar
Sharing our current research via reruns of recent conference presentations, research updates and guest lectures.

e-Research Roundtable (ERRT)
Discussing information problems in the conduct of research in the digital environment and development of research cyberinfrastructure.

Recent Workshops
Digital Collection Contexts: Intellectual and Organizational Functions at Scale
At the 2014 iConference, Berlin.

Digital Humanities Data Curation Institute workshops (DHDC)
At GSLIS, Maryland, and Brown, 2013-2014.

Selected Projects

Site-Based Data Curation at Yellowstone National Park (SBDC)
Funded by: IMLS
Principal Investigators: Carole Palmer (PI); Bruce Fouke, Geology (co-PI); Ann Rodman, Yellowstone (co-PI); Sayeed Choudhury, JHU (co-PI)
SBDC is developing a framework of policies and processes for the curation of "site-based" digital research data that responds to the needs of long-tail science researchers and site managers, and promotes coordination with libraries and data repositories.

Improving Information Retrieval by Consideration of Temporal Evidence in a Unified Model
Funded by: NSF
Principal Investigator: Miles Efron (PI)
Information retrieval (IR) systems are inherently temporal. Documents change, indexes acquire new documents, and systems answer or "field" queries differently over time. The vision of this project is to capitalize on this temporality to improve the models used for predicting document relevance.

Workset Creation for Scholarly Analysis: Prototyping Project (WCSA)
Funded by: Mellon Foundation
Principal Investigators: J. Stephen Downie (PI); Timothy Cole (co-PI); Beth Plale, Indiana (co-PI)
Working with the HathiTrust corpus of over 10 million volumes of text, the HTRC-based WCSA project aims to engage scholars in designing tools for exploration, location, and analytic grouping of materials so they can routinely conduct computational scholarship at scale, based on meaningful worksets.

Data Curation Education in Research Centers Program (DCERC)
Funded by: IMLS
Principal Investigators: Carole Palmer (PI); Mary Marlin, NCAR (co-PI); Carol Tenopir, Tennessee (co-PI)
DCERC is a model for educating LIS masters and doctoral students in data curation through field experiences in research and data centers. DCERC brings students into the real world of scientific data curation, where they engage with current practices and challenges in data collection, delivery, management and preservation.

Developing a Model for Socio-technical Data Analytics Education (SODA)
Funded by: IMLS
Principal Investigator: Cathy Blake (PI)
Combining theoretical foundations and hands-on experience, the SODA education model provides students with an understanding of the social and technical aspects of data analytics to prepare the next generation of leaders who can work with big data. Doctoral projects include automatically summarizing medical literature, and masters projects include assessing ozone impacts on asthma and identifying cultural clues from news stories.

Digital Humanities Data Curation (DHDC): NEH Institutes for Advanced Topics in the Digital Humanities
Funded by: NEH
Principal Investigators: Megan Senseney (co-PI); Trevor Muñoz, Maryland (PI); Julia Flanders, Northeastern (co-PI)
DHDC is a collaborative research project aimed at developing strong data curation practices within the digital humanities community through a series of intensive 3-day workshops and an online resource (http://guide.dhcuration.org).

Other Selected Affiliated Faculty Projects

Impact Assessment of Social Justice Documentaries
Funded by: Ford Foundation
Principal Investigator: Jana Diesner

Collaborative Research: From Grant to Commercialization
Funded by: National Science Foundation, Andrew W. Mellon Foundation
Principal Investigators: Vetle Torvik (PI); Bruce Weinberg, Ohio State (partner PI)

Open Annotation Collaboration (OAC), Phase III
Funded by: Andrew W. Mellon Foundation
Principal Investigators: Timothy Cole (PI); Jane Hunter, Queensland (partner PI); James Smith, Maryland (partner PI); Herbert Van de Sompel, Los Alamos (partner PI)