Faculty research areas

Masooda Bashir, Assistant Professor
The interface of psychological and social sciences with engineering systems and information technology.

Alistair Black, Professor
History of librarianship and information management, specifically in recent years; history of corporate magazines; history of corporate libraries and information bureau; history of library design.

Catherine Blake, Associate Professor and Associate Director, Center for Informatics Research in Science and Scholarship
Text mining; information synthesis; collaborative information behaviors; recognizing textual entailment; summarization; evidence-based discovery; meta-analysis; socio-technical systems.

Nicole A. Cooke, Assistant Professor
Human information behavior, particularly in an online context; diversity and social justice in librarianship; LIS education and pedagogy, particularly in the online environment; information literacy and instruction.

Susan G. Davis, Professor
The role and significance of vernacular culture; ethnography of commercial culture; politics of culture and cultural research.

Jana Diesner, Assistant Professor
Social computing; computational social science; natural language processing; network analysis; machine learning; covert networks; covert information; socio-technical systems.

J. Stephen Downie, Professor and Associate Dean for Research
Design and evaluation of information retrieval systems, including multimedia music information retrieval; the political economy of internetworked communication systems; database design; Web-based technologies.
David Dubin, Research Associate Professor
The foundations of information representation and description; issues of expression and encoding in documents and digital information resources.

Miles Efron, Associate Professor
Information retrieval in emerging domains such as social media and large collections of digitized books; temporal (diachonic) issues in information retrieval; human interactions with information search and retrieval systems.

Jon Gant, Research Associate Professor; Director, Center for Digital Inclusion
Electronic government, information technology, and organization design; social networks, knowledge management, and information technology; evaluation of broadband Internet; strategic management of information systems; geographic information systems and geospatial technologies.

Les Gasser, Professor
Evolution and dynamics of information and networks; social analysis of information/communication technologies; information in biological systems.

Elizabeth Hoiem, Assistant Professor
Nineteenth-century British literature, the British novel, history of pedagogy and education, children's literature and childhood studies, working-class radical press, philosophy of mind, new materialism, material culture and “things” in literature (thing theory), science and literature, automata, industrialization and industrial novels, fantasy and science fiction.

Christine Jenkins, Associate Professor
History of children's literature; history of youth services librarianship as women's history; historical and contemporary censorship and intellectual freedom; young adult literature; representations of minority-status groups in children's and young adult literature; reading engagement; reader-response research; reader-text interaction.

Lori Kendall, Associate Professor
Personal archiving; online community and identity; social aspects of computing; research methodology; gender and technology.

Emily Knox, Assistant Professor
Intellectual freedom and censorship; book history and reading practices; information ethics and policy.
Kathryn La Barre, Associate Professor
Knowledge organization and access systems (historical and contemporary); task analysis; facet analysis and faceted classification; classification and concept theory with a special focus on the interactions between theoretical and practical approaches to information discovery and access.

Bertram Ludäscher, Professor
Data and knowledge management, specifically the modeling, design, and optimization of scientific workflows, provenance, data integration, and knowledge representation; scientific workflow systems; data curation.

Bonnie Mak, Associate Professor
The interpenetration of manuscript, print, and digital cultures; the cultural production and circulation of knowledge; palaeography and diplomatics; manuscript studies; book history; medieval and early modern collecting; history of archives and libraries.

Jerome McDonough, Associate Professor
Digital libraries; digital preservation and curation; digital humanities; metadata design; human-computer interaction and user interface design; socio-technical and participatory design approaches to information systems development.

Kate McDowell, Associate Professor and Assistant Dean for Student Affairs
Youth services librarianship; children's print culture history; controversial topics in children's literature (evolution, race, gender); public libraries as cultural spaces.

Allen Renear, Professor and Dean
Ontologies for data curation and scientific publishing; logic-based analysis of scientific discourse; XML semantics; production and delivery workflows for scientific publishing; identity and change problems in digital object management.

Linda C. Smith, Professor and Associate Dean for Academic Programs
Information system design; education for library and information science; impact of new technologies on reference and information services.

Victoria Stodden, Associate Professor
Enabling reproducibility in computational science, including the study of adequacy and robustness in replicated results, designing and implementing validation systems, developing standards of openness for data and code sharing, and resolving legal and policy barriers to disseminating reproducible research.
Carol Tilley, Associate Professor
History of youth services librarianship; children's print culture; information inquiry and instruction in school libraries; information seeking and use; media literacy.

Vetle Torvik, Assistant Professor
Mathematical optimization; computational statistics; text and data mining; literature-based discovery; bioinformatics.

Michael Twidale, Professor
Computer supported cooperative work; collaborative technologies in digital libraries and museums; user interface design and evaluation; open source usability; information visualization; ubiquitous learning, social learning of technology, rapid prototyping and evaluation.

Terry L. Weech, Associate Professor
International librarianship; library and information science education; collection development; management and assessment of library services; government information resources; economics of information; intellectual freedom issues; public librarianship.

Kate Williams, Associate Professor
Community informatics, in particular the relationship between social networks, social capital, and the use of information and communications technology in low-income communities; public libraries as public computing places.