

Curriculum Vitae

Robert H. McDonald

Dean of University Libraries
Senior Vice Provost of Online and Extended Education
Professor
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EDUCATION_____

M.L.I.S. Library & Information Science

University of South Carolina, Columbia, South Carolina

M.Mus. Music Composition

University of Georgia, Athens, Georgia

B.Mus. Music Composition

University of Georgia, Athens, Georgia

LEADERSHIP DEVELOPMENT_____

ASU/Georgetown University Academy for Innovative Higher Education Leadership Fellow, 2022-2023

Harvard Graduate School of Education, Aligning Strategic Priorities with Financial Resources in Higher Education, July 2021

Pluralistic Networks, Working Effectively in Small Teams (WEST) Leadership Training, 2019

Educause/Council on Library and Information Resources, Frye Leadership Fellow, 2009 (now Leading Change Institute)

PROFESSIONAL EXPERIENCE_____

2018-Present: University of Colorado Boulder

Organizational Profile: The University of Colorado Boulder (commonly referred to as CU or Colorado) is a public research university and Association of American Universities (AAU) member located in Boulder, Colorado, United States. It is the flagship university of the University of Colorado System and was founded five months before Colorado was admitted to the Union in 1876. The University Libraries are an ARL and CRL member library with a total operating expenditure of over \$32 million dollars, a volume count of 6.9 million and an FTE count of more than 214 employees. The CU Libraries support 30,936 undergraduates, 7,021 graduate students, 4,249 tenure track faculty and 4,529 non tenure track faculty. The Office of Online Education is responsible for all online education initiatives for the Boulder campus and has 18 FTE and budget of approximately \$8 million dollars.

Dean of University Libraries & Sr. Vice Provost of Online Education & Professor – September 2019 – Present.

- Reporting to the Provost and Executive Vice Chancellor for Academic Affairs of the Boulder campus
- Responsible for the operating budget of the University Libraries \$28 million dollars annually
- Responsible for the operating budget and personnel of the Office of Online Education \$6 million dollars annually
- Chief academic officer for the University Libraries
- Chief executive officer for the Office of Online Education
- Professor at the University of Colorado Boulder

Dean of University Libraries & Professor – July 2018 – September 2019.

- Reporting to the Provost and Executive Vice Chancellor for Academic Affairs of the Boulder campus
- Responsible for the operating budget of the University Libraries \$22.4 million dollars annually
- Chief academic officer for the University Libraries
- Professor at the University of Colorado Boulder

Notable accomplishments in these positions:

- Led libraries wide strategic planning process to develop current values based strategic plan.
- Implemented libraries wide reorganization based on agile organizational principles as derived from strategic planning workshops and focus groups.
- Developed University Libraries DEI Plan as part of campus wide IDEA Plan implementation
- Led campus based Academic Futures/Financial Futures Online and Extended Education Planning Initiatives.
- Improved overall faculty librarian salaries (25%) as well as staff internal promotion and salary levels.
- Implemented staff professional development funding program.
- Chaired search for Vice Chancellor for Research and Innovation
- Chaired search for inaugural Dean of Division for Arts & Humanities in College of Arts & Sciences
- Improved overall library advancement plans and raised external funding to endow three new gift funds (Laughing Goat Student Scholarship Fund, Chicana/Latina Endowed Library Collections Fund, Buffs One Read Fund)
- Launched four new online master's programs (MS Data Science, MA Corporate Communications, MS Outdoor Recreation Economy, ME Engineering Management, MS Computer Science)

2008-2018: Indiana University, Bloomington, Indiana

Organizational Profile: Indiana University Libraries are the 2010 recipient of the ACRL Excellence in Academic Libraries Award and are a top 20 Public ARL Library. The Bloomington campus is the flagship institution of a nine-campus system and the IUB Libraries have a total operating expenditure of over \$36 million, a volume count of 8.5 million volumes with an FTE count of more than 400 employees. The IUB Libraries support 30,400 undergraduates, 8,500 graduate students and 1,943 full-time faculty. The LT Division supports library systems and related technologies for the entire IU system.

Associate Dean for Research and Technology Strategies and Librarian (full rank 2017) – Indiana University – Bloomington, IN. August 2008 – July 2018.

- Reporting to the Ruth Lilly Dean of University Libraries with additional reporting responsibility to the Vice-President for Information Technology/CIO and University Information Technology Services and the IU Libraries Executive Associate Dean.
- Hired at rank of Associate Librarian with earned tenure in spring 2013 and promotion to Librarian in spring 2017.
- Responsible for Scholarly Communications and the IU Enterprise Library Systems Department. Includes 20 plus staff and librarians.
- Responsible for the IU Scholarworks Institutional Repository
- Responsible for the IU Office of Scholarly Publishing Journals and Proceedings

- Responsible for the statewide Indiana University Integrated Library System (SirsiDynix Symphony)(IUCat - 9 campuses – utilizing Blacklight Open Source Discovery Software).
- Member of IU Unizin Coordination Team
- Responsible for the IU Libraries partnership with the IU Press called the Office of Scholarly Publishing which reports to the office of the IUB Provost

Notable accomplishments in this position

- Led team to implement Unicode conversion in SirsiDynix Library System
- Led team to implement next generation library discovery layer for IU system-wide libraries (Blacklight)
- Developed system-wide mobile strategy for IU Libraries in Kuali Mobile and one.iu.edu
- Led team to host Code4Lib 2011 Conference at IU Bloomington
- Part of a collaborative team with UIUC to host JCDL 2013 in Indianapolis
- Part of a collaborative team to co-host Open Repositories 2015 in Indianapolis
- Member of HathiTrust Program Steering Committee
- Member of HathiTrust Research Center Executive Management Team
- Part of DPN Business Model Working Group for Indiana University
- Part of Unizin Content Relay Working Group for Indiana University
- Member of VIVO Steering Group and Leadership Group for Indiana University

Deputy Director Data to Insight Center, Pervasive Technology Institute – Indiana University – Bloomington, IN. July 2012 – July 2018.

- Reporting to the Director of the Data to Insight Center with additional responsibilities for managing project development teams and representing the center in the governance process for the Pervasive Technology Institute and responsible for 6 plus staff members.
- Additional Duties to represent the D2I Center both within the IU system and externally for specific projects with specific liaison responsibilities to the Indiana University Libraries.
- Member of the NSF SEAD DataNet Governance Group
- Co-PI HathiTrust Research Center (HTRC)
- Co-PI Bookworm + HathiTrust Research Center Project
- Co-PI Bamboo Technology Project
- Co-PI Sloan Grant for HTRC Non-Consumptive Research
- Sr. Personnel NSF SEAD DataNet Cooperative Agreement
- Co-PI IU DPN TiMe Project
- Member of the DPN Test Node Implementation Team
- Member of the HathiTrust Research Center Executive Management Team

Director of Community Development, Kuali OLE – Indiana University – Bloomington, IN. July 2012 – June 2016.

- Reporting to the Kuali OLE Functional Council Chair and OLE Board.
- Develop new partners for the Kuali OLE Community both as adopters and code contributors as well as develop new prospects for Kuali Commercial Affiliates who will strengthen the overall Kuali OLE Community for support of Kuali OLE managed or hosted services.
- <https://www.openlibraryenvironment.org>

Associate Director Data to Insight Center, Pervasive Technology Institute – Indiana University – Bloomington, IN. May 2009 – June 2012.

- Reporting to the Director of the Data to Insight Center with responsibility for collaborative projects that utilize the IU Digital Library Program and UITS Research Technologies storage infrastructure resources in mass data storage, data analysis, data curation, and digital library infrastructure.
- Developed joint data management strategy for NSF guidelines with university-wide task force.
- Serve on D2I Leadership Team
- Represent D2I on the Pervasive Technology Institute Board

- Co-PI HathiTrust Research Center
- Co-PI Alfred P. Sloan Foundation Grant in support of the HathiTrust Research Center
- Sr. Personnel for SEAD NSF DataNet Proposal
- Sr. Personnel D2I Grants for Humanities/Arts Informatics

Executive Director, Kuali OLE – Indiana University – Bloomington, IN. December 2009 – July 2012.

- Reporting to the Kuali OLE Board this position serves as a key liaison between the Kuali OLE Project Manager, Technical and Functional Councils and the Kuali OLE Board. In addition, this position serves as a key liaison between the Kuali OLE Board and the Kuali Foundation Executive Director.
- Planned and executed four partner face-to-face meetings per year.
- Managed budgets and billing for partnership more than \$10 million.
- Developed strategic alliances with Sakai, JISC, Editeur, Serials Solutions, OCLC
- <http://ole.kuali.org>

2006-2008: San Diego Supercomputer Center, UC San Diego, La Jolla, CA

Organization Profile: The San Diego Supercomputer Center is an Organized Research Unit of UC San Diego. SDSC is considered a leader in data-intensive computing and cyberinfrastructure, providing resources, services, and expertise to the national research community including industry and academia. Cyberinfrastructure refers to an accessible and integrated network of computer-based resources and expertise, focused on accelerating scientific inquiry and discovery. SDSC celebrated its 25th anniversary in late 2010 as one of the National Science Foundation's first supercomputer centers.

Director of Strategic Data Alliances, Digital Preservation Initiatives Group, Division of Production Systems – San Diego Supercomputer Center – U.C. San Diego, La Jolla, CA. June 2006 – August 2008.

- Reporting to the manager of digital preservation initiatives.
- Responsible for the development and implementation of long-term data preservation alliances for inclusion in the Chronopolis digital preservation environment based at SDSC.
- Work with partner sites at the U.C. San Diego Libraries, the National Center for Atmospheric Research, and the University of Maryland to implement a production version of the Chronopolis preservation system holding up to 50 TB of content.
- Develop grants with external partners to fund ongoing development of the Chronopolis preservation environment.
- Develop strategies for grant funding opportunities for data interoperability among archival preservation systems within various domain specific and library, archival, and museum communities.
- Partner with the Library of Congress NDIIPP Community on sustainability and technical architecture issues.
- Co-Manage the NDIIPP Chronopolis Partnership.

Chronopolis Project Manager, Technology R&D Division – San Diego Supercomputer Center – U.C. San Diego, La Jolla, CA. January 2006 – June 2006.

- Reporting to the SDSC Executive Director.
- Responsible for the development and implementation of the Chronopolis digital preservation environment for long-term federated digital preservation.
- Work with partner sites at the U.C. San Diego Libraries, the National Center for Atmospheric Research, and the University of Maryland to implement a test of Chronopolis using up to 10 TB of test data.
- Communicate the outcomes of the Chronopolis Testbed to the digital preservation community.
- Develop grant proposals to fund Chronopolis under Library of Congress and NSF funding.

2002-2005: Florida State University, Tallahassee, FL

Organization Profile: The Florida State University Libraries, located in Florida's capital, Tallahassee, serves the oldest higher education institution in Florida. The FSU Libraries are one of two ARL Libraries in the state of Florida and have a total operating expenditure of over \$15 million, a volume count of over 3 million volumes with an FTE count of more than 200 employees. The FSU Libraries support over 30,000 undergraduates, 8,500 graduate students and over 1,400 full-time faculty.

Associate Director of Libraries for Technology & Research and University Librarian, Division of Library Technology & Research – Florida State University Libraries, Tallahassee, FL. February 2005 – December 2005.

- Reporting to the Director of the University Libraries.
- Rank of University Librarian with tenure achieved 2004.
- Responsible for the Division of Library Technology & Research including the Digital Library Department, Digital Media Center, Library Technology Department, Electronic Resources Management Department, and Library Sponsored Research Projects.
- Responsible for 20 FTE including 8 faculty librarian positions.
- Responsible for planning, implementing, and maintaining the technology infrastructure of the University Library System.

Assistant Director of Libraries and Associate University Librarian (tenured 2004), Division of Library Technology – Florida State University Libraries, Tallahassee, FL. August 2002 – February 2005.

- Reporting to the Director of the University Libraries.
- Rank of Associate University Librarian.
- Responsible for planning, implementing, and maintaining the technology infrastructure of the University Library System.
- Responsible for technology equipment budget of \$400,000 per year.
- Responsible for electronic resources budget of \$1,200,000 per year.
- Responsible for 4 departments within the University Libraries – Library Technology Department, Digital Initiatives Department, Media Services Department, and the Electronic Resources Management Department.
- Supervised four department heads and 3 professional librarian positions for a total of 7 librarians in addition to 12 FTE Staff and various student workers and graduate assistants.
- Implemented ETDs@FSU as first University Library Scholarly Communications and Digital Library Project. ETDs@FSU is a university wide initiative to make FSU Research more easily available on the Web and to increase our graduate students' chances of citation in published scholarly materials. This initiative became mandatory for all students in fall 2003 (<http://etds.fsu.edu> and <http://etd.lib.fsu.edu>).
- Implemented DigiTool Digital Access Management System.
- Implemented EZProxy off-campus electronic resource access with streamlined university LDAP authentication process.
- Implemented ILLiad Interlibrary Loan Management System for use by the Florida State University Libraries (<http://www.illiad.lib.fsu.edu>).
- Implemented SFX (OpenURL Resolver) for use by the Florida State University Libraries (<http://www.fsu.edu/library/sfx>).
- Coordinator for the Metalib (Meta-search Electronic Resource Discovery Tool) Implementation Team.
- Implemented the University Libraries Virtual Reference System – QuestionPoint (<http://www.askusnow.net>).
- Implemented the University Libraries Course Reserves System – Eres (<http://eres.lib.fsu.edu>).
- Implemented the D-Scholarship digital institutional repository at the Florida State University Libraries (<http://dscholarship.lib.fsu.edu>).
- Campus Coordinator for the University Libraries' Integrated Library System Migration Project from NOTIS to the ALEPH 500 System.

- Planned and implemented the renovation and construction of a new Digital Library and Media Center facility which serves as a dual-purpose media center, multimedia authoring facility, and applied digital library production center. Open for use fall 2003.
- Responsible for the University Libraries' component of the University-Wide Institutional Effectiveness Portal as part of the ongoing SACS accreditation process.

Interim Head Communications/Publications Department, Florida State University Libraries, Tallahassee, FL. June 2002 – January 2003.

- Supervised 2 FTE including a graphic design professional as well as a Web Developer.
- Administered the development and design of the libraries print and Web publications.
- Coordinated public relations briefs and news releases for the University Libraries.

Head, Media Center and Associate University Librarian, Florida State University Libraries, Tallahassee, FL. April 2002 – August 2002.

- Reporting to the Director of Libraries.
- Hired at rank of Associate University Librarian.
- Originally hired to reorganize media center into a multimedia authoring and viewing center for use by FSU Faculty, Staff and Students.
- Managed merger of Media Center collections and Academic Computing and Network Services media collections.
- Worked closely with architects and networking contractor to design and build the new facilities for the FSU Libraries' Digital Library and Media Center.
- Established membership in SURA Video Development initiative.
- Appointed as editor of the University Libraries' SACS Reaccreditation Report.

1999-2002: Auburn University, Auburn, AL

Organizational Profile: Auburn University is a comprehensive land-grant university with the flagship campus at Auburn, Alabama, and a separately administered branch campus at Montgomery. The university is the oldest four-year, coeducational school in Alabama and the second oldest in the Southeast (women were first admitted in 1892). The Auburn University Libraries are one of two ARL Libraries in the state of Alabama and have a total operating expenditure of over \$12 million, a volume count of over 3 million volumes with an FTE count of more than 100 employees. The AU Libraries support over 20,000 undergraduates, over 6000 graduate students and over 1100 full-time faculty. The Library Technology Division supports systems for both the Auburn and Montgomery campuses.

Information Technology & Digital Projects Librarian and Assistant Professor (Librarian II), Auburn University Libraries, Auburn, AL. January 2000 – April 2002.

- Provided leadership and vision for the Information Technologies and Digital Projects associated with the Auburn University Libraries.
- Rank of Librarian II Assistant Professor with approved mid-tenure review.
- Designed and implemented in association with the Auburn University Office of Information Technology, the AU Libraries' Go Wireless! Initiative (<http://www.lib.auburn.edu/wireless/>).
- Developed and implemented the AU Libraries' Streaming Audio Reserves program for use with Auburn University School of Music faculty and students.
- Developed the technologies involved with implementing the Auburn University Digital Library that consists of various Web multi-media technologies (including streaming video, audio, XML, Dublin Core, EAD, media rights management).
- Lead Technical Officer in conjunction with the NAAL (Network of Alabama Academic Libraries) IMLS Grant (\$493,000) for the statewide Alabama Mosaic Project.
- Lead Technical Officer for the implementation of the Transforming America Project (<http://diglib.lib.auburn.edu/transam/>).
- Lead security specialist for Window 2000 server environments at the Auburn University Libraries.

- Customized and implemented the AU Libraries' version of the University of Texas TILT Information Literacy Tutorial. The Auburn version is the Tiger Information Literacy Tutorial (<http://tilt.lib.auburn.edu/>).
- Implemented and managed the technical infrastructure of the AU Libraries' InfoChat (virtual reference service) initiative.
- Implemented and managed the ILLiad interlibrary loan management system for the Auburn University Libraries Interlibrary Loan Department.
- Coordinated the University Libraries' Web Site in conjunction with the University Libraries' Web Site Committee.

Related Positions

Reference Librarian, Law and English Language and Literature Bibliographer, Assistant Professor (Librarian II), Auburn University Libraries, Auburn, AL. May 1999 – January 2000

- Provided reference services in the areas of English Language and Literature, Music, Law, History and Philosophy.
- Taught research methods classes in the areas of English Literature, Business Writing, Education, Constitutional Law, Public Administration Law, and Accounting Law.
- Responsible for acquiring all materials (electronic and print) in the areas of English Language and Literature and Law.

Part-Time Circulation Assistant, Coleman Karesh Law Library, University of South Carolina School of Law, Columbia, SC. January 1999 – May 1999

- Assisted patrons in the use of a wide variety of electronic and print materials during night and weekend operation of the library.
- Implemented a web accessible index of library holdings of the Briefs and Records of the South Carolina Supreme Court and Court of Appeals.

Part-Time Reference Archivist, South Carolina Archives and History Center, South Carolina Department of Archives and History, Columbia, SC. January 1999 - April 1999

- Provided patrons with reference service for print, electronic, and micro formats for state and local records holdings since 1690.
- Utilized Soundex indexing and retrieval for genealogy research with the U.S Census publications.
- Created library use statistics for both patron and holdings activity.
- Utilized proper archival procedures in filing and retrieving state records for patron use.
- Operated cash register for use in selling agency publications and for processing patron copy requests.

TEACHING

University Courses taught for the University of Colorado Boulder

1. FYXP 1500 – First Year Experience Course in Program in Exploratory Studies – Fall 2020 (online) and Fall 2021 (in-person)

University Courses developed for San Jose State University School of Library and Information Science.

2. LIBR 284 Seminar in Archives and Records Management: (Digitization and Digital Preservation) – Taught Spring 2010 Semester

Coordinator and Instructor, FSU Libraries' Aleph Migration Task Force, Tallahassee, FL.

3. Taught beginning, intermediate, and advanced courses for library management system modules associated with the Aleph 500 integrated library system.

Technology Instructor, AU Libraries' Library Technology Group, Auburn, AL.

4. Taught classes to public services personnel in the use of Web technologies (HTML, audio streaming, wireless networking) and the training involved with the AU Libraries' InfoChat (virtual reference service) initiative. (<http://www.lib.auburn.edu/infochat.html>).

Information Literacy Instructor, Auburn University Libraries, Auburn, AL.

5. Developed and Coordinated research methods courses in freshman composition, graduate level English Literature, Political Science, Law, Education, and Information Architecture.

Graduate Assistantship, School of Music, University of Georgia, Athens, GA.

6. Taught undergraduate level freshman theory and ear training for 2 years.
7. Developed ear training exercises and tests with senior music theory faculty.
8. Designed theory exams and ear training exercises for all freshmen theory classes using the Finale software notation system.

Volunteer, Adult Basic English Program, Athens-Clark County Public Library Learning Center, Athens, GA.

9. Taught adult students the rudiments of the English language.
10. Incorporated both printed and electronic formats within the curriculum for use in helping students acquire basic computer skills.

DISTINCTIONS

- Elected Member, IEEE/ACM Joint Committee on Digital Libraries (JCDL) Steering Committee, 2016-2027
- Elected Member, HathiTrust Digital Library Board of Governors, 2019-2022
- Elected Member, Association of Research Libraries Board of Directors, 2020-2023
 - Chair Governance Committee
 - Member Finance Committee
 - Board Liaison to Advocacy and Public Policy Committee
- Certified Scrum Master, Scrum Alliance
- Advisory Council Member, Child Care & Early Education Research Connections Program, 2010-2015
- Academic Editor, *PeerJ Computer Science*
- Editorial Board, *Journal of Electronic Resources Librarianship*, 2008-2012
- Seminars on Academic Computing, Founders Scholarship Recipient, 2005
- Pi Kappa Lambda, National Music Honor Society, 1996

PUBLICATIONS

Reviews in Edited Publications

1. McDonald, Robert H. [Internet Review] Review of *Everything Postmodern*. <<http://www.ebbflux.com/postmodern/intro.html>> *Choice* (Supplement): 2001.
2. McDonald, Robert H. [Internet Review] Review of *Center for the History of Music Theory and Literature* <<http://jefferson.village.virginia.edu/utc/>>. *Choice* (Supplement): 2000.
3. McDonald, Robert H. [Internet Review] Review of *Anthropology Biography Web*. <<http://emuseum.mnsu.edu/information/biography/index.shtml>> *Choice* (June): 2001.

4. McDonald, Robert H. [Book Review] Review of *Encyclopedia of the U.S. Supreme Court* by Thomas T. Lewis and Richard L. Wilson. *Choice* (February): 2001.
5. McDonald, Robert H. [Book Review] Review of *Encyclopedia of the American Constitution* by Leonard W. Levy and Kenneth L. Karst. *Choice* (February): 2001.
6. McDonald, Robert H. [Book Review] Review of *Illustrated Great Decisions of the Supreme Court* by Tony Mauro. *Choice* (January): 2001.
7. McDonald, Robert H. [Internet Review] Review of *Center for the History of Music Theory and Literature* <<http://www.music.indiana.edu/chmtl/>>. *Choice* (October): 2000.
8. McDonald, Robert H. [Internet Review] Review of *Uncle Tom's Cabin & American Culture*. <<http://jefferson.village.virginia.edu/utc>> *Choice* (October): 2000.
9. McDonald, Robert H. [Book Review] Review of *The Book of Literary Terms* by Lewis Turco. *Choice* (June): 2000. Choice Outstanding Academic Title Winner.

Reviews in Peer-Reviewed Publications

1. McDonald, Robert H. [Book Review] Review of *New Model Scholarship* by Abby Smith. *Technicalities* 24(6): 19-20.
2. McDonald, Robert H. [Book Review] Review of *Managing Your Internet & Intranet Services: The Information Professional's Guide to Strategy* by Peter Griffiths. *Portal* 4(4): 541-42.
3. McDonald, Robert H. [Book Review] Review of *Licensing Digital Content: A Practical Guide for Librarians* by Leslie Ellen Harris. *Portal* 3(2): 352-53.
4. McDonald, Robert H. [Book Review] Review of *Interest Groups, Lobbying, and Participation in America* by Kenneth M. Goldstein. *Journal of Government Information* 28(1): 136-38.
5. McDonald, Robert H. [Book Review] Review of *Majority Rule or Minority Will: Adherence to Precedent on the U.S. Supreme Court* by Jeffrey L. Segal and Harold J. Spaeth. *Journal of Government Information* 27(2): 257-59.

Edited Journal Articles

1. McDonald, R.H. and J.L. Hardesty. "The M Word: The Good, the Bad, the Ugly." *Educause Review* 51(1) (2016). <http://www.educause.edu/ero/article/m-word-good-bad-ugly>
2. Tamarkin, M., S. Rodrigo, et. al. "Evolving Technologies A View to Tomorrow." *Educause Review* 46(6) (2011). <http://www.educause.edu/library/ERM1163>
3. Foutty, J., R.H. McDonald, M. Winkler, B. Skiles. "Community-Sourced Kuali OLE Serves Libraries." *Educause Quarterly* 34(2) (2011). <http://www.educause.edu/library/EQM1125>
4. Tamarkin, M., et. al. "You 3.0: The Most Important Evolving Technology." *Educause Review* 45(6) (2010). <http://www.educause.edu/node/218701>
5. McDonald, R.H. "Sustainable Communities for Software: Variations on a Theme." *Educause Review* 44(5) (Sept/Oct 2009). <http://www.educause.edu/library/ERM0955>

6. Berman, F., R.H. McDonald, B.E.C. Schottlaender, and A. Kozbial. "The Need to Formalize Trust Relationships in Digital Repositories." *Educause Review* 43(3) (May/June 2008).
<http://www.educause.edu/library/erm083>
7. McDonald, Robert H., and Chuck Thomas. "Disconnects Between Library Culture and Millennial Generation Values." *Educause Quarterly* 29(4).
<http://connect.educause.edu/library/abstract/DisconnectsBetweenLi/39994>
8. McDonald, Robert H. "Why Your Library Needs a .Com, .Org, and .Net." *Computers in Libraries* 21(8): 34-8.
9. McDonald, Robert H., JoAnn Sears, and Cindy Mitchell. "Exciting Sports-Related Marketing: A Game Plan." *Marketing Library Services* 15(1): 1-10.
10. McDonald, Robert H., Cindy Mitchell, and JoAnn Sears. "Footballs and URLs: Marketing Your Library and its Online Presence." *Computers in Libraries* 20(8): 44-50.

Peer-Reviewed Journal Articles and Proceedings

1. Masson, P. and R.H. McDonald. "The Emerging Impact of Open Source Program Offices." Educause Annual Conference, October 10, 2023, Chicago, IL.
2. Fullington, R., McDonald, R.H., McAndrew, Q., "Balancing Affordability and Access: A Pilot Project at the University of Colorado Boulder." 2023 Distance Teaching & Learning (DT&L) and Summit for Online Leadership and Administration + Roundtable (SOLA+R), July 27, 2023, Madison, WI.
3. Linder, K, McDonald, R.H., Bullock, N. Hybrid Models and the Big Pivot for Online Learning Infrastructure." WCET 34th Annual Meeting, October 18-21, 2022, Denver, CO.
4. Linder, K, McDonald, R.H., Borgelt L., Johnson, H. "Hybrid Models and the Big Pivot for Online Learning Infrastructure." COLTT Conference 2022, August 3-4, 2022, Boulder, CO.
5. Hardesty, Juliet, Jennifer Johnson, Jamie Wittenberg, Nathan Hall, Matt Cook, Zack Lischer-Katz, Zhiwu Xie, & Robert McDonald. "3D Data Repository Features, Best Practices, and Implications for Preservation Models: Findings from a National Forum." *College & Research Libraries* [Online], 81.5 (2020): 789. Web. 10 Feb. 2022
6. B. A. Plale, E. Dickson, I. Kouper, S. H. Liyanage, Y. Ma, R. H. McDonald, et al., "Safe open science for restricted data", *Data and Information Management*, vol. 3, pp. 50-60, Mar. 2019.
7. Cook, M., Lischer-Katz, Z., Hall, N., Hardesty, J., Johnson, J., McDonald, R. and Carlisle, T. 2019. Challenges and Strategies for Educational Virtual Reality. *Information Technology and Libraries*. 38, 4 (Dec. 2019), 25-48. DOI: <https://doi.org/10.6017/ital.v38i4.11075>.
8. Hall, N. F., Hardesty, J., Lischer-Katz, Z., Johnson, J., Cook, M., Griffin, J., . . . McDonald, R. (n.d.). Challenges and Directions in 3D and VR Data Curation. *International Journal of Digital Curation*, 14(1), 150-167. doi:10.2218/ijdc.v14i1.588.
9. Plale, B. A., Dickson, E., Kouper, I., Harshani Liyanage, S., Ma, Y., McDonald, R. H., . . . Withana, S. (2019). Safe Open Science for Restricted Data. *Data and Information Management*, 3(1), 50-60. doi:10.2478/dim-2019-0005
10. McDonald, R.H., Research Center as Distant Publisher: Developing Non-Consumptive Compliant Open Data Worksets to Support New Modes of Inquiry. Digital Humanities 2017, August 8-11, 2017, Montreal, CA.

11. Myers, J.; Hedstrom, M.; Akmon, D.; Payette, S.; Plale, B.A.; Kouper, I.; McCaulay, S.; McDonald, R.; Suriarachchi, I.; Varadharaju, A.; Kumar, P.; Elag, M.; Jong Lee; Kooper, R.; Marini, L., "Towards Sustainable Curation and Preservation: The SEAD Project's Data Services Approach," in e-Science (e-Science), 2015 IEEE 11th International Conference on e-Science, pp. 485-494, Aug. 31 2015-Sept. 4 2015 doi: 10.1109/eScience.2015.56
12. McCaulay, D.S., I. Kouper, R.H. McDonald, and B. Plale. "SEAD People, Data, Things: Linked profiles for decision making." 2015 Open Repositories Conference (OR15). <http://dx.doi.org/10.13140/RG.2.1.1826.5366>
13. Elag, M., P. Kumar, M. Hedstrom, J. Myers, B. Plale, L. Marini, and R.H. McDonald. "Characterization of Emergent Data Networks Among Long-Tail Data." EGU General Assembly 2014 (2014). April 27-May 2, 2014, Vienna, Austria. <http://adsabs.harvard.edu/abs/2014EGUGA..16.7844E>
14. Myers, J., M. Hedstrom, B. Plale, P. Kumar, R.H. McDonald, R. Kooper, L. Marini, I. Kouper, K. Chandrasekar. "Changing the Curation Equation: A Data Lifecycle Approach to Lowering Costs and Increasing Value." American Geophysical Union, Fall Meeting 2013 (2013). Dec. 9-12, 2013, San Francisco, CA. <http://adsabs.harvard.edu/abs/2013AGUFMIN12A..08M>
15. Plale, B., R.H. McDonald, K. Chandrasekar, I. Kouper, S. Konkiel, M.L. Hedstrom, J. Myers, P. Kumar. "SEAD Virtual Archive: Building a Federation of Institutional Repositories for Long-Term Data Preservation in Sustainability Science." *International Journal of Digital Curation* 8(2) 172-80. (2013). <http://doi.org/10.2218/ijdc.v8i2.281>. <http://www.ijdc.net/index.php/ijdc/article/view/8.2.172>
16. Plale, B., R. H. McDonald, K. Chandrasekar, I. Kouper, S. Konkiel, M. L. Hedstrom, J. Myers, and P. Kumar, "SEAD Virtual Archive: Building a Federation of Institutional Repositories for Long-Term Data Preservation in Sustainability Science." 8th International Digital Curation Conference, January 14-17, 2013, Amsterdam, Netherlands.
17. Winkler, M., R.H. McDonald, "Kuali OLE: A Community Collaboration in Software for and by Libraries." *Information Standards Quarterly (ISQ)* 24(4) 33-38 (2012). <http://www.niso.org/publications/isq/2012/v24no4/winkler/>
18. McDonald, R.H. and T.O. Walters. "Restoring Trust Relationships within Collaborative Digital Preservation Federations." *Proceedings of the 4th International Conference on Open Repositories*. May 18, 2009, Atlanta, GA.
19. Jordan, C., R.H. McDonald, D. Minor, and A. Kozbial. "Cyberinfrastructure Collaboration for Distributed Digital Preservation." *Proceedings of the 4th IEEE International Conference on eScience*. Dec. 10-12, 2008, Indianapolis, IN.
20. Hutt, A., B. Westbrook, A. Kozbial, R.H. McDonald, and D. Sutton. "Developing Preservation Metadata for Use in Grid-Based Preservation Systems." *Proceedings of the 5th International Conference on Preservation of Digital Objects (iPRES)*. September 29-30, 2008, London, UK.
21. Jordan, C., A. Kozbial, D. Minor, and R.H. McDonald. "Encouraging Cyberinfrastructure Collaboration for Digital Preservation." *Proceedings of the 5th International Conference on Preservation of Digital Objects (iPRES)*. September 29-30, 2008, London, UK.
22. Walters, T.O. and Robert H. McDonald. "Creating Trust Relationships for Distributed Digital Preservation Federations." *Proceedings of the 5th International Conference on Preservation of Digital*

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23. McDonald, R.H., T.O. Walters, and C. Thomas. "A Discussion on Disconnects Between Library Culture and Millennial Generation User Values." *Proceedings of the MERLOT International Conference*, August 10, 2008, Minneapolis, MN.
24. McDonald, Robert H., and Chuck Thomas. "Cross-Institutional Repository Assessment: A Standardized Model for Institutional Research Assessment." *Proceedings of the ARL Library Assessment Conference*. August 4-7, 2008, Seattle, WA.
25. McDonald, Robert H., and Chuck Thomas. "The Case for Standardized Reporting and Assessment Requirements for Institutional Repositories." *Journal of Electronic Resources Librarianship* 20:2 p101.
26. Jackson, Millie, Jonathan D. Blackburn, and Robert H. McDonald. "MediaWiki Open-Source Software as Infrastructure for Electronic Resources Outreach." *The Reference Librarian* 48(1): 19-36. <http://repositories.cdlib.org/postprints/2571/>
27. Thomas, Chuck, Robert H. McDonald, and Cat S. McDowell. "Overview Repositories by the Numbers." *D-Lib Magazine* 13(9/10).
<http://www.dlib.org/dlib/september07/mcdonald/09mcdonald-overview.html>
28. Thomas, Chuck, and Robert H. McDonald. "Measuring and Comparing Participation Patterns in Digital Repositories: Repositories by the Numbers Part 1." *D-Lib Magazine* 13(9/10).
<http://www.dlib.org/dlib/september07/mcdonald/09mcdonald.html>
29. Moore, R.L., J. D'Aoust, R.H. McDonald, and D. Minor. "Disk and Tape Storage Cost Models." *Proceedings of the IS&T Archiving Conference*, p. 29 (2007).
30. *MetaArchive NDIIPP Partnership, Proceedings of iPres2006: International Conference on the Preservation of Digital Objects*, October 9, 2006, Ithaca, NY. (<http://hdl.handle.net/1813/3681>)
31. McDonald, Robert H., and Chuck Thomas. "Turning Silos Into Bridges: Optimizing Local Digital Library Programs." *Proceedings of the IS&T Archiving Conference*, p. 8-12 (2006), May 23-26, 2006, Ottawa, Canada.
32. McDonald, Robert H., Chuck Thomas, Tyler Walters, and Anthony D. Smith. "The New Frontier of Institutional Repositories: A Common Destination with Different Paths." *New Review of Information Networking* 11(1): 65-82.
33. McDonald, Robert H. "Portals in Libraries: An Environmental Landscape." *Bulletin of the American Society of Information Science & Technology* 31(1):
(<http://www.asis.org/Bulletin/Oct-04/mcdonald.html>).
34. McDonald, Robert H., and Catherine Jannik. "From Web Server to Portal: One Library's Experience with Open Source Software." *Journal of Library Administration* 40(1/2): 71-88.
35. McDonald, Robert H. "Computers in Libraries 2000." *College & Undergraduate Libraries* 7(2): 51-8.

Peer Reviewed Monographs and Book Chapters

1. Reynolds L, McDonald R, Knievel J, Kociolek P., 2023. The Cultural Heritage Collaborative: Shared Mission and Spaces for Natural History and Library Collections In Cultural Heritage and the Campus Community: Academic Libraries and Museums in Collaboration Volume 80. Assoc of College & Research Libraries, Chicago, IL.
2. Fong, Yem S., and Suzanne M. Ward. “The Changing Landscape of Electronic Resources: Content, Access, Delivery, and Legal Issues.” Chapter 5 *From Web Server to Portal: One Library’s Experience with Open Source Software* by Robert H. McDonald and Catherine Jannik. The Haworth Press, Inc. New York.
3. Campbell, Nicole, ed. 2001. “Usability Assessment of Library-Related Web Sites: Methods & Case Studies.” Chapter 4 *Building a User-Centered E-Presence at the Auburn University Libraries* by Robert H. McDonald. ALA, Chicago, IL.
4. Greener, Richard Theodore. 1998. “The Tenure of Land in Ireland.” Transcribed and Edited by Mike Mounter and Robert H. McDonald. Columbia, SC.

Peer Reviewed-Poster Sessions

1. Linder, K, McDonald, R.H., Borgelt L., Johnson, H. “Hybrid Models and the Big Pivot for Online Learning Infrastructure.” Educause Annual Conference, October 25-28, 2022, Denver, CO.
2. Dickson, E.F., Tracy, D.G, McIntyre, S., Glushko, B., McDonald, R.H., Butler, B., Downie, J. S. *Creating a Policy Framework for Analytic Access to In-Copyright Works for Non-Consumptive Research*, Digital Humanities 2017, August 8-11, 2017, Montreal, Canada.
3. McDonald, R.H., M. Sargent, and J.A. Thomas. *From Turnkey to Agile: Developing Teams, from a Buy to Build Perspective* Educause Annual Conference 2015, Oct, 28, 2015, Indianapolis, IN.
4. Plale, B., McDonald, R.H., McCaulay, S., and Kouper, I. *SEAD People, Data, Things: Linked Profiles For Decision Making*. Open Repositories Conference 2015, June 8-11, 2015, Indianapolis, IN.
5. Plale, B., R. H. McDonald, K. Chandrasekar, I. Kouper, S. Konkiel, M. L. Hedstrom, J. Myers, and P. Kumar, *The SEAD DataNet Prototype: Data Preservation Services for Sustainability Science*, Proceedings of the 13th ACM/IEEE-CS Joint Conference on Digital Libraries, July 22-26, 2013, Indianapolis, IN.
6. Plale, B., R. H. McDonald, K. Chandrasekar, I. Kouper, S. Konkiel, M. L. Hedstrom, J. Myers, and P. Kumar, *HathiTrust Research Center: Computational Access for Digital Humanities and Beyond*, Proceedings of the 13th ACM/IEEE-CS Joint Conference on Digital Libraries, July 22-26, 2013, Indianapolis, IN.
7. Poster Session, *SEAD: Preserving Data for Environmental Sciences in Areas of Climate, Land-Use, and Environmental Management*, 8th International Digital Curation Conference, IDCC Conference, January 14-17, 2013, Amsterdam, NL.
8. Poster Session, *A Lot of Data for a Little Code: Get Data into VIVO Faster with the Jena Framework*, 3rd Annual International VIVO Conference, August 22-24, 2012, Miami, FL.

9. Poster Session, *SEAD: A System to Support Active and Social Data Curation in Sustainability Science*. Research Data Access & Preservation (RDAP) Summit 2012, March 22, 2012, New Orleans. LA.
10. Poster Session, *Using the VIVO Harvester to Automate and Maintain VIVO Profile Information at Indiana University*, 2nd Annual International VIVO Conference, August 25, 2011, Washington, DC.
11. Poster Session, *Enriching VIVO Profile Information from Existing Research Profile Systems: Indiana University's CTSI HUB and VIVO@IU*, 2nd Annual International VIVO Conference, August 25, 2011, Washington, DC.
12. Poster Session, *An iRODS Based Data Replication for Institutional Data Curation*, 2nd Annual Research Data Access and Preservation Summit, March 31-April 1, 2011, Denver, CO.
13. Poster Session, *An iRODS Based Data Replication for Institutional Data Curation*, 6th International Digital Curation Conference, IDCC Conference, December 6-7, 2010, Chicago, IL.
14. Poster Session, *VIVO Implementation at Indiana University*, 1st Annual International VIVO Conference, August 12, 2010, New York, NY.
15. Poster Session, *Cyberinfrastructure Collaboration for Distributed Digital Preservation*, 4th IEEE International Conference on e-Science, December 10, 2008, Indianapolis, IN.
16. Poster Session, "Replication Policies for Distributed Digital Preservation Federations." *Proceedings of Science Archives in the 21st Century*, A NASA Symposium, April 26, 2007, College Park, MD.
17. Poster Session, *Who is Contributing to E-Print Archives*, Open Repositories Conference 2007, January 24, 2007, San Antonio, TX.
18. Poster Session, *A Performance Support Systems Approach to Digital Publishing in Libraries*, Joint Conference on Digital Libraries, June 12-14, 2006, Chapel Hill, NC.

GRANTS, CONTRACTS, and GIFTS

1. PI, *Preparing for Environmental Big Data: A Next Generation Digital Repository for Biodiversity Collection Data*, NSF 15-582, Advances in Biological Informatics (ABI) (\$2,000,000 2017-2019). The Indiana University (IU) Libraries is working in partnership with the IU Center for Biological Research Collections (CBRC) to build a next-generation digital repository for biodiversity collection data and images. The prototype uses a Fedora 4 repository with Sufia 7 built on as a Hydra Head to provide an extensible digital repository with rich metadata that meets the Dublin and Darwin Core standards. The goal of this innovation phase is to automatically link these open-source repository software elements to Symbiota and Specify, which are NSF-funded software packages for multi-institutional collaborative projects (such as TCNs) and natural history collection management, respectively. (*not funded*)
2. PI, *The HathiTrust Research Center From the Cloud to the Classroom (C2C)*, NEH Institutes for Advanced Topics in the Digital Humanities (\$259,978, 2016-2018). This institute proposal is a partnership of the HathiTrust Research Center (HTRC) and the Libraries of Indiana University and the University of Michigan. We propose to host two three-day workshops that will educate humanities faculty, staff, and librarians on issues related to the use of large-scale textual research datasets for the

- purposes of pedagogical instruction in humanities classrooms and pedagogical knowledge for instruction in literature courses. (*not funded*)
3. Co-PI, *Hypershelf: A National Discovery Digital Bookshelf*, IMLS National Leadership Grant (Research) (\$500K, 2016-2018). This research proposal builds on current work (Murdock and Allen, 2015 -- <http://inphodata.cogs.indiana.edu/>) to develop a National Discovery Digital Bookshelf that exploits topic modeling to put full-text discovery first, while avoiding issues of query formulation and keyword indexing. (*not funded*)
 4. Co-PI, *An Open-source Personalized Recommendation Platform for National Discovery*, IMLS National Leadership Grant (Project) (\$250K, 2016-2018). This grant intends to bring together a unique team of practitioners, researchers, and technologists to develop an open personal recommendation algorithm, evaluate its applicability to supporting a national recommendation platform through developing proof-of-concept software for open-source discovery layers (Blacklight, VuFind), and suggest an implementation roadmap with a white paper on issues around open recommender system implementation within open discovery. (*not funded*)
 5. Sr. Personnel, *SEEDCorn (Sustainable Enabling Environment for Data Collaboration)-Midwest Big Data Regional Innovation Hub*, National Science Foundation (\$1.5M, 2016-2019). This grant will endeavor to harness the power of big data to investigate some of the most pressing issues facing our world in the Midwest region and the state of Indiana. Issues include areas such as water security, data science, smart cities, network science, transportation, and patient care. (*funded*)
 6. Sr. Personnel, *Digging Deeper, Reaching Further: Libraries Empowering Users to Mine the HathiTrust Digital Library Resources*, Institute of Museum and Library Services-Laura Bush 21st Century Librarian Program (\$398K 2015-2018). This grant will develop a shared curriculum for use in academic libraries for a train-the-trainer series designed to assist librarians in getting started with the tools, services, and related research methodologies of the HathiTrust Research Center (HTRC). (*funded*)
 7. Sr. Personnel, *Humanities Collaborations and Research Practices: Exploring Scholarship in the Global Midwest*, The Humanities Without Walls Consortium and the Andrew W. Mellon Foundation (\$100K, 2015-2016). (*funded*)
 8. Co-PI, *Exploring the Billions and Billions of Words in the HathiTrust Corpus with Bookworm: HathiTrust + Bookworm Project*, National Endowment for the Humanities (\$324K, 2014-2016). The enhancement and integration of the Bookworm analytical tool with the HathiTrust Digital Library, which holds 3.9 billion pages of digitized materials. Scholars would be able build individual collections of materials to be studied and to discover new textual use patterns across the corpus. (*funded*)
 9. Co-PI, *Kuali OLE: Year 4 Build Partnership*. A Partnership funded by The Andrew W. Mellon Foundation (\$882K, January 2014-December 2014). This partnership consists of ten research library partners who are working to build a community based library management system Kuali OLE (Open Library Environment). A formal application partner in the Kuali Foundation, this grant is in its fourth year of funding to build enhancement to the initial Kuali OLE build grant software. This project is being led by Indiana University (OVPIT/UITs/Libraries). (*funded*)
 10. Co-PI, *CLIR/DLF Data Curation Fellowship Grant*, Alfred P. Sloan Foundation (\$600K, July 2012-June 2014). This grant will fund the CLIR/DLF Data Curation Fellowship Recipient to work jointly between the IU Libraries and the IU Data to Insight Center for the 2012-2014 time period. (*funded*)
 11. Co-PI, *Kuali OLE: Year 3 Build Partnership*. A Partnership funded by The Andrew W. Mellon Foundation (\$750K, January 2013-December 2013). This partnership consists of nine research library partners who are working to build a community based library management system Kuali OLE (Open Library Environment). A formal application partner in the Kuali Foundation, this grant is a third year

- enhancement to the initial Kuali OLE build grant. This project is being led by Indiana University (OVPIT/UITs/Libraries). (*funded*)
12. Sr. Personnel, NSF MRI Acquisition: the Data Capacitor – Next Generation (DC-NG), (\$2M, July 2012-Aug 2014). This grant will fund a technical and architectural refresh of the IU Data Capacitor under the NSF Major Research Instrumentation award track. (*not funded*)
 13. Co-PI, *HathiTrust Research Center Proposal to Define Non-Consumptive Research for use with the HathiTrust Research Center*, Alfred P. Sloan Foundation (\$600K, July 2011-June 2013). Co-sponsored by Indiana University, the University of Illinois, and the University of Michigan. (*funded*)
 14. Co-PI, A HUBzero/Joomla! VIVO Application. VIVO Mini-Grant NIH/NCRR (\$50K, March 2011-Aug 2011). This VIVO mini-grant will add functionality to the open source content management system, Joomla, in order to provide VIVO researcher profile data to Hubzero installations, in particular to the Indiana CTSI Hubzero portal. (*funded*)
 15. Co-PI, HathiTrust Research Center: Submitted to University of Michigan HathiTrust Digital Library, (\$5.2M, Sept 2010-Aug 2014). This project is a collaborative research center proposed by Indiana University, the University of Illinois, and the National Center for Supercomputing Applications. The center will focus on making the HathiTrust Digital Library corpus available in new ways for computational research and will support the HathiTrust Digital Library in working directly with researchers who want to utilize this mass-digitization corpus. (*approved*)
 16. Co-PI, *SI2-SSI: An Identity Management Infrastructure for HUBzero*, NSF 10-551 (\$1.7M, Jan. 2011-Dec 2014). The HUBzero Consortium seeks a Scientific Software Integration (SSI) award, led by Indiana University, to develop an identity management software cyberinfrastructure as an integral part of the HUBzero platform to serve its existing 25 virtual research communities and future HUB communities. This infrastructure will meet the transformative research and educational goals by creating trusted environment for virtual science organizations supported by HUBs and creating a platform for individual description and disambiguation so that collaborations can be more easily discovered, and research workflows more easily accomplished. (*not funded*)
 17. Co-PI, *Bamboo Technology Project: A Partnership* funded by The Andrew W. Mellon Foundation (\$1.1M, Oct. 2010-May 2012). This project is a 10-university collaborative working to build cyberinfrastructure components for digital humanities research. IU is currently involved in the Workspaces and Collection Interoperability working groups, partnering with the University of Wisconsin, the University of California-Berkeley (lead), the University of Illinois, and Northwestern University. (*funded*)
 18. Co-PI, *Kuali OLE: A Partnership* funded by The Andrew W. Mellon Foundation (\$2.3M, July 2010-June 2012). This partnership consists of eight research library partners who are working to build a community-based library management system Kuali OLE (Open Library Environment). A formal application partner in the Kuali Foundation, Kuali OLE is a two-year software build project funded at a total amount of \$4.8M with matching partner investments. This project is being led by Indiana University (OVPIT/UITs/Libraries). (*funded*)
 19. Sr. Personnel, Sustainable Environment through Actionable Data (SEAD). An NSF cooperative agreement funded under Sustainable Digital Data Preservation and Access Network Partners (DataNet) NSF 07-601 (\$20M, Oct. 2011-Sept. 2017) with University of Michigan, Rensselaer Polytechnic Institute, University of Illinois-Urbana Champaign, National Center for Supercomputing Applications, and ICPSR. (*funded*)
 20. Co-PI: *VIVO: Enabling National Networking of Scientists*. NIH/NCRR (\$485K, Sept 2009-Aug 2011). VIVO is a project funded by NIH/NCRR under U24 (\$12.3 million) funds to develop and deploy a semantic web-based faculty profile system that will enable large-scale multi-disciplinary collaboration across seven universities. (*funded*)

21. Sr. Personnel, *Open Library Environment (OLE) Planning Project*, The Andrew W. Mellon Foundation (\$475K, Aug 2008-July 2009). This international collaboration will lead to the design of a next-generation, open-source library system that is flexible, customizable, and nimble enough to meet the changing and complex needs of 21st-century libraries and library users. The goal of the Open Library Environment (OLE) Project is to develop a design document for library automation technology that fits modern library workflows, is built on Service Oriented Architecture, and offers an alternative to commercial Integrated Library System products. (*funded*)
22. Sr. Personnel, *NDIIPP Digital Preservation Archive Development and Demonstration Program*, A Partnership funded by the Library of Congress's National Digital Information Infrastructure and Preservation Program (NDIIPP) (\$1.1M, Sept 2007-Aug 2008). A partnership with the San Diego Supercomputer Center, the UC San Diego Libraries, the National Center for Atmospheric Research, the University of Maryland Institute for Advanced Computer Studies, the Interuniversity Consortium for Political and Social Science Research, and the California Digital Library. (*funded*)
23. Sr. Personnel, *NSF DataNet Cooperative Agreement* (\$20M, July 2007-Jun 2012). An NSF cooperative agreement funded under Sustainable Digital Data Preservation and Access Network Partners (DataNet) NSF 07-601. A partnership with the San Diego Supercomputer Center, the UC San Diego Libraries, the National Center for Atmospheric Research, the University of Maryland Institute for Advanced Computer Studies, the Interuniversity Consortium for Political and Social Science Research, and the California Digital Library. (*not funded*)
24. Co-PI, *MetaArchive of Southern Digital Culture: A Partnership* funded by the Library of Congress's National Digital Information Infrastructure and Preservation Program (NDIIPP) (\$1.3M, Sept 2006-Aug 2009), A Partnership with Emory University, Virginia Tech., Georgia Tech., Auburn University, and the University of Louisville. (*funded*)
25. Co-PI, *Internet2 PIC-SER Campus Trial* (Florida State University): Successful proposal to the University Corporation for Advanced Internet Development to become a campus test site for the Presence and Integrated Communications Server Package. This was accomplished as a joint project with Florida State University Computing Services. (*funded*)
26. Sr. Personnel, Alabama Mosaic Project. An IMLS National Leadership Grant funded (\$500K Sep 2001-Aug 2004) partnership of the academic libraries, museums, and archives of Alabama to create an online collection of Alabama historical content online. <http://www.alabamamosaic.org/about.php>. (*funded*)

SELECTED CONFERENCE PARTICIPATION

Invited/Keynote Presentations

1. Invited Panelist, *An Inclusive, Universal Micro-credential Solution for Higher Education*, Convergence: Credential Innovation in Higher Education Conference 2023, Nov 2, 2023, Washington, DC.
2. Invited Panelist, *Enhancing Degree Value and Job Readiness for Learners*, Coursera Annual Conference 2023, April 13, 2023, Mountain View, CA and virtual.
3. Invited Panelist, *Building Learner Outcomes with Stackability: Stories from the Field*, UPCEA Annual Conference 2023, March 23, 2023, Washington, DC.
4. Invited Panelist, *Global Pathways to Higher Education through Industry-Recognized Micro-Credentials*, SXSWEDU 2023, March 9, 2023, Austin, TX.

5. PAC-12 Academic Leadership Coalition Panel, *PAC 12 Libraries in an Environment of the Corporate Privatization of Information*, June 3, 2022.
6. Panel Co-Chair, *Libraries United in Opening New Scholarly Platforms*. Force2016 Conference, April 18, 2016, Portland, OR.
7. Panel Co-Chair, *Pitch-It Innovation Challenge Session*. Force2016 Conference, April 18, 2016, Portland, OR.
8. Invited Keynote Speaker, *Academic Libraries and Big Data: Trends in Collection, Publication, Preservation, and Access*, SIBF-ALA Conference, Sharjah International Book Fair, November 11, 2015, Sharjah, United Arab Emirates.
9. Panelist, *The HathiTrust Research Center: An Overview of Advanced Computational Services*, Educause Annual Conference 2015, Oct 28, 2015.
10. Panel Co-Chair, *Openness Constituent Group*, Educause Annual Conference 2015, Oct 28, 2015.
11. Invited Speaker DPLAFest 2015, April 16-27, 2015, Indianapolis, IN.
12. Invited Speaker PASIG 2015, March 12, 2015, San Diego CA.
13. Invited Keynote Speaker, *All Things Distributed: Collaborations Beyond Infrastructure*. ER&L 2015 Conference, Austin TX, February 25, 2015.
14. Invited Speaker, Super Computing 2014 (SC14) Indiana University Booth, New Orleans, LA, November 18, 2014.
15. Invited Keynote Speaker, *Transitioning from Legacy Systems to Cloud Infrastructure*. Charleston Conference Seminar 2014, Charleston, SC, November 8, 2014.
16. Invited Keynote Speaker, *Kuali OLE: A Collaborative ILS Partnership*, National Library Days, Helsinki, FI, Oct. 22, 2014.
17. Invited Speaker, Kuali Days UK, Birkbeck College-University of London, June 19, 2014.
18. Invited Speaker, Open Apereo Conference 2014, Miami, FL, June 3, 2014.
19. Invited Keynote Speaker, Supporting Cultural Heritage Open Source Software Symposium, Atlanta, GA, April 24-25, 2014.
20. Invited Keynote Speaker, Next Generation ILS Conference, Colorado Alliance of Research Libraries, Denver, CO, April 4, 2014.
21. Invited Speaker, Kuali Days UK, Senate House, University of London, October 29-30, 2013.
22. Panel Chair, *Research Data Alliance*, IEEE CLUSTER 2013 Conference, September 26, 2013, Indianapolis, IN.
23. Speaker, "DataNet: Demonstrations of Data Discovery, Access, and Sharing Tools," Ecological Society of America 2013 Annual Conference, August 6, 2013, Minneapolis, MN.

24. Panel Chair RDAP 2013, "Global Scientific Data Infrastructure." ASIS&T Research Data Access and Preservation (RDAP) Summit 2013, April 4-5, 2013, Baltimore, MD.
25. Panel Presenter, "Kuali OLE Seminar." Sponsored event by the Society of College, National and University Libraries (SCONUL-UK), December 6, 2012, London, UK.
26. Invited Keynote Speaker, Florida Innovation Conference. Panama City Beach, FL, August 16-17, 2012.
27. Invited Panel Presenter, "Future trends in inter-institutional approaches to supporting scholarly communication." Cooperative Curation Symposium and Workshop, Georgia Institute of Technology, Aug 8, 2012.
28. Panel Presenter, "Kuali OLE: An Overview." Florida Virtual Campus Board of Directors, June 13 2012, Jacksonville, FL.
29. McDonald, R.H., M. Winkler, and B. Johnson. "An Update on Kuali OLE." State Assisted Academic Libraries of Kentucky (SAALCK) Director's Council Meeting, May 8, 2012.
30. Steinhart, G., M. Hedstrom, R.H. McDonald, P. Schaeffer, and O. Reiger. "SIG-DL Sustainability Panel." Research Data Access & Preservation (RDAP) Summit 2012, March 22, 2012, New Orleans. LA.
31. McDonald, R.H. "Bleeding, Leading, or Not Competing: A Theme and Variations on Current Emerging Technologies." Pennsylvania State System of Higher Education (PASSHE) 2012 Virtual Conference, February 16, 2012. Available at:
http://passhe2.wimba.com/launcher.cgi?room=Conference_Room_1_2012_2012_0216_0900_11
32. Invited Co-Presenter, "Kuali Open Library Environment: Reflections on Our First Year of Collaborative Software Development." Educause Live, January 18, 2012, Available Online.
<http://net.educause.edu/LIVE1202>
33. Invited Keynote Co-Presenter, "The Future of Higher Education: What Is the IT Professional's Role?" Educause Midwest Regional Conference Sponsored by Gluu, March 17, 2010, Chicago, IL.
34. Invited Speaker, "Where in the Cloud is My Library?" Taiga Forum V, January 15, 2010, Boston, MA.
35. Invited Keynote Speaker, "Data, Data Everywhere: Migration and System Population Practices." NISO Webinar November 11, 2009. <http://www.niso.org/news/events/2009/datasystems09>
36. Invited Keynote Speaker "Uncovering our Digital Cultural Heritage for the Millennial Generation: Some Thought and Examples." Lindenwood University Faculty Symposium, August 10, 2009, St. Louis, MO.
37. Invited Keynote Speaker, "Uncovering our Digital Cultural Heritage for the Millennial Generation: Some Thought and Examples." Missouri Digitization Conference, March 10, 2009, Kansas City, MO.
38. Invited Speaker, NISO Spring Forum on Digital Preservation, March 14, 2008, Washington, DC.
39. Invited Speaker, "Is Library 1.0 Ready for Web 2.0?" North Carolina Library Association 57th

Biennial Conference, October 18, 2007, Hickory, NC.

40. Invited Keynote Speaker, Inaugural Electronic Resources and Libraries Conference 2006, Atlanta, GA, March 23-25, 2006.
41. Invited Paper Presentation, *Richard T. Greener*, Conference on the History of Library and Information Science, 25th Anniversary of the College of Library and Information Science, University of South Carolina, Columbia, South Carolina, April 4, 1998.

Peer-Reviewed Presentations

1. Booth, Austin, Aisha Jackson, Christine Madsen, Robert H. McDonald. *Crossroads of Tech, Research, and Learning: IT and Library Collaborations*. Educause Annual Conference, 2020, Virtual Conference.
2. Cook, Matt, Julie Griffin, Robert H. McDonald. *Developing Library Strategy for 3D and VR Collections*. Educause Annual Conference 2018, Denver, CO.
3. McDonald, R.H, N. Block, M. Breeding, and C. Thacker. "The Role of Choice in the Future of Discovery Evaluations." ER&L Conference 2016, April 4, 2016, Austin, TX.
4. McDonald, R.H. "Scholar's Commons and HathiTrust Tools and Services." HathiTrust Members Meeting, Dec. 9, 2016, Rosemont, IL.
5. McDonald, R.H., B. Plale, and B. Naymachchivay., "The HathiTrust Research Center: An Overview of Advanced Computational Services." Educause Annual Conference, 2015, Oct. 28, 2015.
6. McDonald, R.H., J. Timmer, L. Tomich, M. Trimarchi, and P. Albert. "Introduction to VIVO: Planning, Policy, and Implementation Workshop." VIVO 2015 Conference, August 12, 2015, Cambridge, MA.
7. Murdock, J., Zeng, J., and McDonald, R.H., "Topic Exploration with the HTRC Data Capsule for Non-Consumptive Research." Tutorial Track of the 15th ACM/IEEE-CS Joint Conference on Digital Libraries, July 21-25, 2015, Knoxville, TN.
8. Panel Chair, "Discussion Session for Librarians on Scholars Commons Services and Instructional Use of HTRC." 3rd Annual HathiTrust Research Center UnCamp, March 30-31, 2015, Ann Arbor, MI.
9. Speaker, "Elephant in the Room: Scaling Storage for the HathiTrust Research Center." PASIG 2015, March 11-13, 2015, San Diego, CA.
10. Panel Chair, "OLE Implementation Panel," Kuali Days 2014, Indianapolis, IN, November 13, 2014.
11. Speaker, "Owning the Discovery Experience for Your Patrons," 2014 Charleston Conference, November 6, 2014.
12. Speaker, "Kuali OLE Enabling Choices for Libraries," 2014 Charleston Conference, November 8, 2014.

13. Panel Chair, “Kuali OLE Related KCAs and Services,” Kuali Days 2013, November 19, 2013, San Diego, CA.
14. Speaker, “Digital Preservation of Library Content at Scale: An Evolution from Outlier to Mainstream,” 2013 Charleston Conference, November 8, 2013, Charleston, SC.
15. Panel Chair, “Open Source Discovery Layers and the NextGen ILS: Collaboration, Integration and Granularization,” 2013 Charleston Conference, November 7, 2013, Charleston, SC.
16. Panelist, “Kuali Foundation Applications and You!” Kuali Days UK, October 30, 2013, London, UK.
17. Panelist, “The HathiTrust Research Center: Building Shared Computational Resources to Mine the Largest Academic Digital Library Corpus,” Educause Annual Conference 2013, October 16, 2013, Anaheim, CA.
18. Hedstrom, M.L., G. Alter, I. Kouper, P. Kumar, R. H. McDonald, J. Myers, and B. Plale, "SEAD : An Integrated Infrastructure to Support Data Stewardship in Sustainability Science." NSF Research Data Management Implementations Workshop, March 13-14, 2013, Arlington, VA. <http://dx.doi.org/10.6084/m9.figshare.651719>
19. Co-Presenter, “Digging Deeper for Long-Term Library Collaboration for Open Source Software Development and Sustainability.” Indiana Library Federation Annual Conference 2012, November 13, 2012, Indianapolis, IN.
20. Co-Presenter, “The HathiTrust Research Center: Opening Up the Elephant for New Knowledge Creation.” CNI Fall Membership Meeting 2012, <http://www.cni.org/topics/digital-humanities/hathitrust-research-center/>, December 11, 2012, Washington, DC.
21. Presenter, “SEAD DataNet and Sustainability Science.” ACM/IEEE International Conference for High Performance Computing, Networking, Storage and Analysis (SC12), Part of the Data to Insight Center Demonstration Session at SC12 (Supercomputing 2012), November 13, 2012, Salt Lake City, UT.
22. Co-Presenter, “New Perspectives for Business Intelligence: Library and Research Technologies and Research Collaboration for New Data Models.” Educause 2012 Annual Conference, November 8, 2012, Denver, CO.
23. Co-Presenter, “The Kuali OLE: Deep Library Collaboration and the Release of a Community-Sourced Library Management System.” Educause 2012 Annual Conference, November 7, 2012, Denver, CO.
24. Co-Presenter, “GOKb & KB+: An International Partnership to leverage Open Access and Community Participation for the Improvement of eContent MetaData.” DLF Forum 2012, November 4, 2012, Denver, CO.
25. Co-Presenter, “The Kuali Open Library Environment (OLE): A Model for Deep Library Collaboration and a Demonstration of our Latest Software.” LITA National Forum 2012, October 6, 2012, Columbus, OH.
26. McDonald, R. H., The HathiTrust Research Center the Fast Version, Library of Congress Symposium on Designing Storage Architectures for Digital Collections, September 10, 2012, Washington, DC.

27. McDonald, R. H., "Building a Data Discovery Network for Sustainability Science." VIVO Conference 2012, August 24, 2012, Miami, FL.
28. Co-Panelist, "VIVO and the Data Culture of Universities-VIVO@IU." Invited Panel, VIVO Conference 2012, August 23, 2012, Miami, FL.
29. Co-Presenter, "Teleworking Policies and Strategies from an IT Perspective." ALA Annual Conference 2012, June 25, 2012, Anaheim, CA.
30. Co-Presenter, "Kuali OLE: Community Ready Software for Your Library!" ALA Annual Conference 2012, June 23, 2012, Anaheim, CA.
31. Co-Presenter, "Kuali Open Library Environment: A Look at the 0.6 Release and a Roadmap to OLE 1.0." Educause 2012 Southeast Regional Conference, June 1, 2012, Tampa, FL.
32. Co-Presenter, "Using Agile with Kuali OLE: A Retrospective." Educause 2011 Annual Conference, October 20, 2011, Philadelphia, PA.
33. Co-Presenter, "Kuali OLE From Startup to Software: Year One and Beyond." Educause 2011 Annual Conference, October 19, 2011, Philadelphia, PA.
34. Co-Presenter, "VIVO: Building a Social Network of Scientists." Part of the Indiana University New and Emerging Technologies Tutorial at SC10 (Supercomputing 2010), November 15, 2010, New Orleans, LA.
35. Co-Presenter, "VIVO: Building a Social Network of Scientists." Part of the Data to Insight Center Tutorial Session at SC10 (Supercomputing 2010), November 14, 2010, New Orleans, LA.
36. Co-Presenter, "How to Join Kuali Open Library Environment (OLE)." Kuali Days 2010, November 10, 2010, San Diego, CA.
37. Co-Presenter, "Kuali OLE (Open Library Environment): An Update from our Start-up Year." Kuali Days 2010, November 10, 2010, San Diego, CA.
38. Co-Presenter, "Kuali OLE (Open Library Environment): Community Source for the Library Management System." Kuali Days 2010, November 10, 2010, San Diego, CA.
39. Co-Presenter, "Library Startup: Building a Sustainable Software Community for Academic Libraries Through Kuali OLE." Educause Annual Conference 2010, October 15, 2010, Anaheim, CA.
40. Co-Presenter, "You 3.0: Evolving Software, Hardware, and Wetware." Educause Annual Conference 2010, October 14, 2010, Anaheim, CA.
41. Co-Presenter, "Open to Change: Open Source and Next Generation ILS and ERMS." ALA Annual Conference 2010, Sponsored by the ALCTS Acquisitions Section and Continuing Resources Section, June 27, 2010, Washington, DC.
42. Co-Presenter, "Learn about the New Kuali Project: Online Library Environment (OLE)." Kuali Days 8, November 18, 2009, San Antonio, TX.
43. Co-Presenter, "Beyond the Silos of the LAMs: Time to Speak Up. Collaborative and Open Software Development Directions for Libraries, Archives and Museums." CNI Spring 2010

Members Meeting, April 12, 2010, Baltimore, MD.

44. Co-Presenter, Data Curation Birds-of-a-Feather, SC09 (Supercomputing 2009), November 17, 2009, Portland, OR.
45. Presenter, “Giving Birth to an Elephant: HathiTrust's Story of IT, Libraries, and Uncommon Acts of Collaboration.” Educause Annual Conference 2009, November 6, 2009, Denver, CO.
46. Co-Presenter, “Extending Your Reach with WorldCat Local and API: Library Catalog Solutions That Change Everything.” Educause Annual Conference 2009, November 6, 2009, Denver, CO.
47. Preconference Co-Presenter, “The Changing Face of Library Workflow Management: Open Source, Grid Computing and Cloud Services.” Charleston Serials Conference, November 4, 2009.
48. Co-Presenter, Data Curation Birds-of-a-Feather, SUN-PASIG Meeting, Oct 2009, San Francisco, CA.
49. Co-Presenter, “The Open Library Environment Project (OLE Project): Building an ILS for Service Oriented Architecture Integration.” American Library Association Annual Conference, July 11, 2009, Chicago, IL.
50. Co-Presenter, Data Curation Birds-of-a-Feather, TeraGrid09, June 24, 2009, Arlington, VA.
51. Co-Presenter, “Restoring Trust Relationships within Collaborative Digital Preservation Federations.” 4th International Conference on Open Repositories, May 15, 2009, Atlanta, GA.
52. Co-Presenter, “The OLE Project: Reconceptualizing Technology for Modern Library Workflow: A SOA Approach.” Educause Enterprise Technology Conference, May 7, 2009, Indianapolis, IN.
53. Co-Presenter, “The OLE Project: An Update on Developing a Community-Sourced SOA Compliant Library Information Environment.” CNI Task Force Meeting, April 7, 2009, Minneapolis, MN.
54. Co-Presenter, “Open-Source Next-Gen ILS Initiatives.” Common Solutions Group Meeting, January 8, 2009, Boulder, CO.
55. Co-Presenter, “Cyberinfrastructure Collaboration for Distributed Digital Preservation.” 2008 Microsoft e-Science Workshop, December 8, 2008, Indianapolis, IN.
56. Co-Presenter, *Disconnects Between Learning Management Systems and Millennial Generation User Expectations*, Educause Annual Conference, October 31, 2008, Orlando, FL.
57. Co-Presenter, *Perspectives on Collaborative Data Cyberinfrastructure: A Role for Libraries in Data Curation and Long-Lived Preservation Services*, Educause Annual Conference, October 29, 2008, Orlando, FL.
58. Co-Presenter, *Cross-Institutional Repository Assessment: A Standardized Model for Institutional Research Assessment*, ARL Library Assessment Conference, August 5, 2008, Seattle, WA.
59. Co-Presenter and Track Chair, *DataGrid Technologies in Libraries*, LITA Pre-Conference, American Library Association 2008 Annual Conference, June 27, 2008, Anaheim, CA.

60. Co-Presenter, *Data-Cyberinfrastructure Collaboration at the University of California, San Diego*, CNI Fall 2007 Task Force Meeting, December 11, 2007, Washington, DC.
61. Co-Presenter, *Enabling Innovation in Your Library: Identifying and Building the New within Your Current Environment*, November 10, 2007, XXVII Annual Charleston Conference, Charleston, SC.
62. Co-Presenter, *Electronic Resources Management: The Future of Library Technical Services and Other Ideas on How to Dismantle an Atomic Bomb*, November 8, 2007, XXVII Annual Charleston Conference, Charleston, SC.
63. Co-Presenter, *A Discussion on Disconnects Between Library Culture and Millennial Generation Values*, Educause 2007 Annual Conference, October 24, 2007, Seattle, WA.
64. Co-Presenter, *Data-Cyberinfrastructure Collaboration at the University of California, San Diego*, Access 2007 Conference, October 12, 2007, Victoria, British Columbia.
65. Co-Presenter, *Internet2 and NDIIPP: Internet2 Infrastructure in Support of the National Digital Preservation Agenda*, Internet Fall 2007 Members Meeting, October 11, 2007, San Diego, CA.
66. Presenter, “The Chronopolis Demonstration Project: A Grid-Based Digital Preservation Environment.” *Proceedings of iPres2007: International Conference on the Preservation of Digital Objects*, October 11, 2007, Beijing, China.
67. Co-Author, “Archival Storage Lifecycle Management in High Performance Computing Data Centers.” *Proceedings of the Archival Storage Lifecycle Management Workshop a Pre-Conference of the 24th IEEE Conference on Mass Storage Systems and Technologies, MSST*, September 24, 2007, San Diego, CA.
68. Co-Presenter, *The NDIIPP/SDSC Partnership: Chronopolis*, NDIIPP Summer 2007 Partners Meeting, June 27, 2007, College Park, MD.
69. Co-Author, “Sustainability Models for Digital Preservation Federations.” *Proceedings of DigCCurr 2007: An International Symposium in Digital Curation*, April 19, 2007, Chapel-Hill, NC.
70. Co-Presenter, *Using MediaWiki Open-Source Software as Infrastructure for Electronic Resources Outreach*, February 26, 2007. Five Weeks to a Social Library 2007.
71. Co-Presenter, *Discussing the Disconnects Between Library Culture and Millennial Generation User Values*, February 6, 2007, Blended Librarians Webcast.
72. Co-Presenter, *Low Threshold Strategies for Libraries to Support “Other” Types of Digital Publishing*, LITA National Forum 2006, October 29, 2006, Nashville, TN.
73. Co-Presenter, *MetaArchive NDIIPP Partnership, Proceedings of iPres2006: International Conference on the Preservation of Digital Objects*, October 9, 2006, Ithaca, NY.
(<http://hdl.handle.net/1813/3681>)
74. Co-Presenter, *Establishing Technical, Administrative and Legal Consolidation of Non-Published & Near-Published Research via DigiTool: The Florida State University Experience*, ELUNA Annual Meeting, June 4-7, 2006, Knoxville, TN.
75. Co-Presenter, *Establishing Technical, Administrative and Legal Consolidation of Non-Published*

- & Near-Published Research: The Florida State University Experience*, 9th International Symposium on Electronic Theses and Dissertations, June 7-10, 2006, Quebec City, Canada.
76. Co-Presenter, *A Performance Support Systems Approach to Digital Publishing in Libraries*, Joint Conference on Digital Libraries, June 12-14, 2006, Chapel Hill, NC.
77. Co-Author, *Cut and Paste Libraries: The Transformation of Information Services for the Millennials and Beyond*, ACRL/CNI/Educause Joint Virtual Conference, Innovate and Motivate: Next Generation Libraries, April 20-21, 2006.
78. Co-Presenter, *Who Moved My eJournal: Electronic Resources and Organizational Change*, Electronic Resources and Libraries Conference 2006, Atlanta, GA, March 23-25, 2006.
79. Co-Presenter, *The ASERL LOCKSS-ETD Initiative: Developing Preservation Strategies for Libraries that publish E-Scholarship*, CNI Fall 2005 Task Force Meeting, Phoenix, AZ, December 5-6, 2005.
80. Presenter, *LOCKSS@FSU*, CSUL Joint Meeting, Gainesville, FL, Nov. 8, 2005.
81. Presenter, *Digital Collections@FSU*, CSUL Joint Meeting, Gainesville, FL, Nov. 8, 2005.
82. Co-Presenter, *Building a Collaborative Digital Preservation Network*, Educause Annual Conference, Orlando, FL, October 20, 2005.
(<http://www.educause.edu/ir/library/powerpoint/EDU05199.pps>)
83. Co-Presenter, *Millennial Net Value(s): Disconnects Between Libraries and the Information Age Mindset*, Proceedings of the Symposium on Free Culture and the Digital Library, Atlanta, GA, October 14, 2005.
84. Co-Presenter, *A Practical, Working, and Replicable Approach to ETD Preservation*, Eighth International Symposium on Electronic Theses and Dissertations, Sydney, Australia, September 29, 2005.
(<http://adt.caul.edu.au/etd2005/papers/092McMillan.pdf>)(Paper)
(<http://adt.caul.edu.au/etd2005/pres/Ritchie02Thu/03%20B1%2010301200%20Gail%20McMillian,%20Catherine%20Jannik,%20Robert%20McDonald.ppt>)(Powerpoint)
85. Presenter, *Improving, Expanding, and Maintaining Momentum in an Established ETD Program*, Eighth International Symposium on Electronic Theses and Dissertations, Sydney, Australia, September 28, 2005.
(<http://adt.caul.edu.au/etd2005/papers/069McDonald.pdf>)(Paper)
(<http://adt.caul.edu.au/etd2005/pres/GalleryOne01Wed/03%20B2%2010301230%20Robert%20McDonald.ppt>)(Powerpoint)
86. Presenter, *The MetaArchive of Southern Digital Culture: Technical Architecture for a Collaborative Digital Preservation Network*, National Digital Information Infrastructure and Preservation Program Bi-Annual Partners Meeting, Warrenton, VA, July 13, 2005.
87. Co-Presenter, Policies and Practices of Institutional Repositories, *D-Scholarship: Florida State University's Institutional Repository*, ALA Annual Conference, Chicago, IL, June 27, 2005.
88. Co-Presenter, *Southeastern Digital Libraries: An Overview of Current Projects and a Look at Future Trends*, Educause Southeast Regional Conference, Atlanta, GA, June 8, 2005.
(<http://www.educause.edu/LibraryDetailPage/666?ID=SER0566>)

89. Co-Presenter, *The MetaArchive of Southern Digital Culture: Building a Collaborative Digital Preservation Network*, CNI Fall 2004 Task Force Meeting, Portland, OR, December 6-7, 2004.
90. Presenter, *Creative Commons Licensing, and Institutional Repositories: The FSU Experience*, SPARC Workshop - Institutional Repositories: The Next Stage, Washington, DC, Nov. 18-19, 2004.
91. Co-Presenter, *The New Frontier of Institutional Repositories: Three Libraries, Three Plans, One Goal*, EDUCAUSE 2004 Annual Conference, October 19-22, 2004, Denver, CO.
92. Co-Presenter, *Leadership Opportunities in Academic Libraries*, NMRT President's Program, ALA Annual Meeting 2004, Orlando, FL, June 26, 2004.
(<http://rmcdonald.info/presentations/nmrt2004>)
93. Co-Presenter, *Portals in Libraries Symposium*, LITA Pre-Conference, ALA Annual Meeting 2004, Orlando, FL, June 25, 2004.
94. Presenter, *D-Scholarship and DigiTool: An IR Perspective*, SMUG (SFX Metalib Users Group) 2004, Cambridge, MA, June 16-18, 2004.
95. Co-Presenter, *ETD Programs as Building Blocks for Institutional Repositories: Laying the Foundation One Graduate Student at a Time*, 7th International Symposium on Electronic Theses and Dissertations, Lexington, KY, June 3-5, 2004.
96. Co-Presenter, *ETD Implementation in Six Months: Five Principles*, 7th International Symposium on Electronic Theses and Dissertations, Lexington, KY, June 3-5, 2004.
97. Co-Presenter, *The New Frontier of Institutional Repositories*, CNI Fall 2003 Task Force Meeting, Portland, OR, December 8-9, 2003.
98. Co-Presenter, *Video Streaming Cookbook – Intellectual Property and Digital Access Management Systems*, Internet2 Fall 2003 Members Meeting, Indianapolis, IN, October 13-16, 2004.
(<http://events.internet2.edu/2003/fallmm/sessionDetails.cfm?session=1208>)
99. Co-Presenter, *Managing Digital Repositories*, Southeastern University Research Association/ViDe 5th Annual Digital Video Workshop, Atlanta, GA, March 26, 2003.
(http://www.vide.net/conferences/spr2003/presentations/day_two/hodge_estler/streaming_revised.ppt)
100. Conference Session, Moderator for *Building the MyPortal Experience*, American Library Association Annual Conference – LITA Human Machine Interface Interest Group, Atlanta, GA June 17, 2002.
101. Conference Session, *Utilizing Descriptive Meta-data, and XML to Create a Subject Based Cross-Institutional Research Portal*, Coalition for Networked Information Spring Task Force Meeting, Washington, DC April 16, 2002.
102. Conference Session, *Demonstration and Discussion of a New Digital Slide Management, Presentation, and Instruction Tool*. Association of Architecture School Librarians Annual Meeting, New Orleans, LA, April 12, 2002.
103. Conference Session, *Utilizing Descriptive Meta-data, and XML to Create a Subject Based Cross-Institutional Research Portal*, Alabama Library Association Annual Conference, Huntsville, AL, April 10, 2002.
104. Conference Session, *Transforming America: Alabama's Role in the Civil Rights Movement*, American Association for History and Computing, Nashville, TN, March 7, 2002.

105. Conference Session, *MYLibrary@ Auburn University*, American Library Association Annual Conference – LITA Human Machine Interface Interest Group, San Francisco, CA June 16, 2001.
106. Co-Coordinator and Presenter, *And Access for All...*, Alabama Library Association Annual Convention – Technical Services and Systems Round Table Pre-Conference, Montgomery, AL, April 10, 2001.
107. Invited Presentation, *Weaving a Web for Everyone*, Alabama Association of College and Research Libraries College and University Section Workshop, Montgomery, AL, December 8, 2000.
108. Conference Session Co-Coordinator, *Proactive Library Services in a High-Tech Environment*, SELA Bi-Annual Conference, Jekyll Island, GA, October 12, 2000.
109. Co-Instructor, *NAAL (Network of Alabama Academic Libraries) Internet Workshop: Resources for Literature*, Presentation of materials concerning English and American Literature resources via the World Wide Web, Auburn University Libraries, Auburn, Alabama, August 27, 1999.

Professional Affiliations

- Association of Computing Machinery (ACM)
- Association for Computers and the Humanities (ACH)
- Association of Digital Humanities Organizations (ADHO)
- American Library Association (ALA)
 - CORE
 - RUSA
 - Association of College and Research Libraries (ACRL)
- American Society for Information Science & Technology (ASIS&T)
- IEEE
 - IEEE Computer Society
 - Information Theory Society
- The Internet Society
- Society for Scholarly Publishing
- UPCEA – University Professional and Continuing Education Association
 - SOLA+R – Summit for Online Leadership Administration + Roundtable

SERVICE

Selected National/International

Reviewer, ACM/IEEE Joint Conference on Digital Libraries 2023, Santa Fe, New Mexico

Reviewer, International Conference on Theory and Practice of Digital Libraries (TPDL) 2022, Padua, Italy

Reviewer, ACM/IEEE Joint Conference on Digital Libraries 2022, Cologne, Germany

Reviewer, Digital Humanities Conference 2022, Tokyo, Japan

Educause Nominations and Leadership Development Committee, 2021-2024

Coursera Council, 2020-Present

Educause Annual Conference Proposal Reviewer, 2016-2022

ALA External Review Panel Chair for MLIS Degree Accreditation, 2022

ALA External Review Panel Member for MLIS Degree Accreditation, 2016, 2018, 2020

Elected Member, Association of Research Libraries Board of Directors, 2020-2023

Elected Member Board of Governors, HathiTrust Digital Library, 2019-2021

Co-Chair, Poster Sessions and Demonstrations, ACM/IEEE Joint Conference on Digital Libraries 2020 Conference

Member Advisory Committee, Force 11 Scholarly Communications Institute, 2018-Present

Member Program Committee, Society for Scholarly Publishing 2020 Conference

Member Program Committee, Society for Scholarly Publishing 2019 Conference

Member Program Committee, Force2017 Conference

Member DPN Program Directions Committee, 2017

General Co-Chair, IEEE/ACM Joint Conference on Digital Libraries (JCDL) 2017, Toronto, Canada.

Member, DataCite Sustainability and Business Steering Group (SBSG), 2016-2017.

Member, Program Committee, 4th Workshop on Sustainable Software for Science: Practice and Experiences (WSSSPE4), Manchester, UK, co-located in Manchester with First Conference of Research Software Engineers (RSE Conference).

Member Program Committee, Force2016 Conference

Elected At-Large Member, IEEE/ACM Joint Conference on Digital Libraries (JCDL) Steering Committee, 2016-2019

Sr. Reviewer for ACM/IEEE JCDL 2016 Conference, Newark, NJ.

Editor, E-Content Column, *Educause Review* 2015-2016
(<http://er.educause.edu/columns/econtent>)

Member, Program Committee-Panels Sessions Committee, Association of College and Research Libraries 2017 Conference, 2015-2017.

Sr. Reviewer for ACM/IEEE JCDL 2015 Conference, Knoxville, TN.

Member, VIVO Steering Committee/DuraSpace, 2012-Present

Member, Digital Preservation Network (DPN) Heavy User's Working Group 2015-2016

Advisory Council Member, Child Care & Early Education Research Connections Program, 2008-Present

Member, Program Committee, 2nd Workshop on Sustainable Software for Science: Practice and Experiences (WSSSPE2), SC14 (The International Conference for High Performance Computing, Networking, Storage, and Analysis), 2014

Member, Business Model Working Group, Digital Preservation Network (DPN), 2013

Member, Program Committee, ASIS&T Research Data Access and Preservation Summit, 2014

General Co-Chair, Joint Conference on Digital Libraries, 2013, Indianapolis, IN.

Member, Program Committee, ASIS&T Research Data Access and Preservation Summit, 2013

Member, Joint Conference on Digital Libraries Program Committee (Fundraising Chair), 2012

Member, Digital Public Library of American Technical Workstream, 2011-2013

Member, HathiTrust Research Center Executive Committee, 2011-Present

Member, Bamboo Technology Project Steering Council, 2011-Present

Conference Chair, Code4Lib 2011, Bloomington, IN, 2010-2011.

Member, Educause Evolving Technologies Committee, 2010-2012

Member, Educause Quarterly Editorial Review Board, 2009-2010

Member, American Library Association's Office of Information Technology Policy Advisory Committee 2009-2012

Program Planning Committee, *Taiga Forum VIII*, 2011-2012.

Program Planning Committee, *Taiga Forum VII*, 2010-2011.

Program Planning Committee, *Taiga Forum VI*, 2009-2010.

Program Planning Committee, *Taiga Forum V*, 2008-2009.

Program Planning Committee, *Taiga Forum IV*, 2007-2008.

Program Reviewer, *Educause Annual Conference*, 2007-2008, 2008-2009, 2009-2010, 2010-2011, 2012-2013, 2013-2014, 2015-2016, 2016-2017

Member, LITA (Library and Information Technology Association) Publications Committee, 2007-2009

Editorial Board, *Journal of Electronic Resources Librarianship*, 2008-Present

Member, LITA Program Planning Committee, 2007-2009

LITA Monographs Editor, 2008-2010

Member, Code4lib 2008 Gender Diversity and Minority Scholarship Committee

Member, National Digital Information Infrastructure and Preservation (NDIIPP) Partners Program Planning Committee, 2007

Member, NDIIPP Technical Architecture Working Group, 2006-2009

Member, NDIIPP Sustainability Working Group, 2008-2009

Member, LITA Top Technology Trends Committee, 2006-2008

Grants Reviewer for the Alfred P. Sloan Foundation

Grants Reviewer for the Institute of Museum and Library Services, National Leadership Grants

Grants Reviewer for the National Science Foundation

External Tenure Reviewer, University of Nebraska, 2022

External Tenure Reviewer, Virginia Tech, 2020

External Tenure Reviewer, University of Houston, 2015

External Tenure Reviewer, Virginia Tech, 2013

External Tenure Reviewer, University of Tennessee, Knoxville, 2006, 2007, 2008

External Mid-Tenure Reviewer, University of Alabama, 2009

External Tenure Reviewer, Washington State University, 2009

Selected Regional

Member Representative, Colorado Alliance of Research Libraries, 2018-Present

Board Member, Colorado Alliance of Research Libraries, 2020-2023

Table Team Member, Elsevier Contract Negotiations Working Group, Colorado Alliance of Research Libraries, 2023

Co-Chair, Elsevier Contract Negotiations Working Group, Colorado Alliance of Research Libraries, 2020

Member, Educause 2009 Western Regional Conference Program Planning Committee, 2008-2009
Chair, Evolving Technologies and Emerging Solutions Track

Member, Educause 2008 Western Regional Conference Program Review Panel, 2008.

Editorial Review Board, SELA, *Southeastern Librarian*, 2002-2005.

Auburn University Libraries

Chief Technical Advisor, Digital Projects Working Group, 2000-2002.
(<http://diglib.auburn.edu>)

Chair, Library Web Advisory Group, 1999-2002.
(<http://www.lib.auburn.edu/hpoc/>)

Co-Editor, *Bits & PCs*, Auburn University Libraries' Newsletter, 1999-2001.
(<http://www.lib.auburn.edu/pubs/newsletter/>)

Member, Library Electronic Collection Development Committee, 1999-2002.

Member, Library Diversity Committee, 1999-2002.

Member, University Libraries SACS (Southern Association of Colleges and Schools) Self-Study and Reaccreditation Committee, 2001-2002.

Member, Library Reconfiguration Task Force, 1999-2000.

Auburn University

Member, Auburn University Graduation Committee, 1999-2002.

Member, Auburn University Faculty Senate Academic Computing Committee, 1999-2002.

- Member Academic Sub-Committee to study the feasibility of Course Distribution and Management Software.
- Member and co-editor, OIT Committee to draft the AU Campus Virus Software Protection Policy.

Florida State University Libraries

Member, Web Site Redesign Committee, 2003-2004.

Member, Preservation Committee, 2003-2006.

Member, University Libraries' SACS (Southern Association of Colleges and Schools) Reaccreditation Committee, 2004-2005.

Member, University Libraries' Director's Council, 2002-2006.

Chair, Associate Director Search Committee, 2002.

Chair, Media Services Librarian Search Committee, 2002.

Chair, Digital Library Initiatives Librarian Search Committee, 2002.

Chair, Web Development Librarian Search Committee, 2003.

Chair, Web Development Librarian Search Committee, 2005.

Chair, Integrated Systems and Network Services Librarian Search Committee, 2006.

Member, Circulation Librarian Search Committee, 2004.

Member, University Libraries' Council, 2002-2006.

Representative to the State University Libraries Council (SULC) Digital Projects Planning Committee, 2002-2006.

Chair of the SULC (State University Libraries Council) ETD Task Force, 2003-2004.

Representative to the SULC SFX/Metalib Implementation Task Force, 2003-2004.

Representative to the SULC Joint Committee Conference, 2002-2005.

SULC Library Management System Migration Project Coordinator (FSU), 2003-2006.

Participating Representative to EDUCAUSE, 2002-2006.

Representative to Coalition for Networked Information (CNI), 2002-2006.

Representative to National Information Standards Organization (NISO), 2003-2006.

Representative to the Southeastern Digital Library Coalition (SeDLC) (<http://www.sedlc.org>), 2003-2006.

Representative to the AmericanSouth Project, 2003-2006.
(<http://www.americansouth.org>).

Consultant to the Ringling Museum (Sarasota, FL) for the Tibbles Digitization Project Invitation to Negotiate (ITN) Process, 2003-2004.

Florida State University

Member, Electronic Theses and Dissertations Committee, 2003-2004.

- Chair, Technical Sub-Committee.
- Member ETD Timeline Planning Sub-Committee.

Indiana University Libraries

Member, Dean's Executive Council, 2011-Present.

Member, Manager's Round Table, 2011-Present.

Member, UITIS-Research Technologies Sr. Leadership Council, 2010-Present.

Member, Dean's Advisory Council, 2008-Present.

Member, Library Resources Committee, 2008-Present.

Member, Library Management Team, 2008-Present.

Member, Libraries Strategic Planning Committee, 2015-2016

Representative to the IU Council of Head Librarians Committee, 2008-Present.

Representative to the CIC Research File System Working Group, 2009-2010.

Representative to the CIC Library Information Technology Directors Peer Group, 2008-Present.

Representative to the HathiTrust Research Center, serve on Executive Committee for HTRC, 2010-Present.

CLOCKSS Board Member for Indiana University Libraries, 2015-Present.

Appointed Member, HathiTrust Program Steering Committee, 2014-Present.

Indiana University Data to Insight Center

Representative to the SEAD Executive Council, 2012-Present

Representative to the HTRC@IU Operations Team, 2013-Present

Search Committee, Assistant Director Pervasive Technology Institute, 2013.

Grants Reviewer for the Data to Insight Center Grants, 2010.

Member D2I Leadership Team, 2009-Present.

D2I Representative to the Pervasive Technology Institute Research Leadership Council, 2011-Present.

Indiana University

Chair, Bloomington Faculty Council-Technology Policy Committee, 2014-2017.

Appointed Member, University Faculty Council Executive Committee, 2016-2017.

Appointed Member, University Faculty Council Honorary Degrees Sub-Committee, 2015-2017.

Appointed Member, University Faculty Council, 2015-2017.

Member, Unizin Coordination Working Group, 2016-Present.

Member, Unizin Library Community Steering Group, 2016-Present.

Member, IU Online Lead Team, 2016-Present.

Member, Unizin Content Relay Working Group, 2014-2015.

Member, Bloomington Faculty Council-Faculty Affairs Committee-Shared Governance Sub-Committee Co-Chair, 2014-2015.

Member, Bloomington Faculty Council-Technology Policies Committee, 2010-2011.

Member, IU Centralized Endpoint Virtualization (CEV) Task Force, 2009-2010.

Member Statewide IT Conference Planning Committee, 2010-2012.

Member, Information Technology Managers Council, 2008-Present.

Representative, Business Intelligence Working Group, 2009-Present.

Representative, Identity Management Working Group, 2008-2009.

Representative, IT Strategic Plan, 2008-Present.

Representative, Educause, 2008-Present.

Representative, Coalition for Networked Information, 2008-Present.

Project Executive Group, Bamboo Technology Project, 2010-Present.

Project Steering Committee, Bamboo Technology Project, 2010-Present.

Kuali Foundation

Conference Co-Chair, Kuali Days UK, 2014.

Conference Co-Chair, Kuali Days UK, 2013.

Consultant to the Kuali Days 2012 Planning Committee.

Conference Program Planning Committee, Kuali Days 2011, Track Co-Chair for Kuali OLE, 2011.

Ex Officio Member, Kuali OLE Board, 2009-2016.

Member Kuali OLE Steering Group, 2015-2016

Member Kuali OLE Futures Working Group, 2014-2015

Kuali OLE Alternate Board Member for Kuali RICE Board, 2010-2012.

Representative to the RICE ARC/TRC Joint Committee, 2010-2012.

University of California, San Diego Libraries

Consultant to the Strategic Direction #1 Steering Committee - *The UCSD Libraries will be innovators in the development and management of digital information resources in support of research, teaching, and learning at UCSD*, 2006-2008.

Chair of Jointly Sponsored (SDSC, UCSD Libraries, CDL, PREMIS Implementors Group) PREMIS Symposium held February 11, 2007 at the UCSD Libraries, 2008.

San Diego Supercomputer Center-UC San Diego

Member, Data Reliability Committee, 2006-2008.

-Chair of Sub-Committee to Study Feasibility of Single Archival Storage System for SDSC.

Member, Digital Preservation Initiatives Group, 2007-2008.

Member, SDSC Transition Team, 2007-2008.

-Communications and Public Relations Working Group.

Member, Trusted Digital Repository Certification Audit Committee, 2006-2008.

Member, NDIIPP Members Meeting Planning Committee, 2008.

University of Colorado Boulder

Co-Chair, Online Action Team, 2022-present

Association of Research Libraries Member Representative, 2018-Present

Center for Research Libraries Member Representative, 2018-Present

Educause Member Representative, 2018-Present

Chair Search Committee, Vice Chancellor for Research & Innovation & Dean of the Institutes, 2022-2023

Chair Search Committee, Inaugural Divisional Dean for Arts and Humanities, College of Arts & Sciences, 2022-2023

Chair Search Committee, Director University of Colorado Museum of Natural History, 2022

Liaison Member Boulder Faculty Assembly, Administrative Services and Technology Committee (ASTC), 2019-present

Chair, Academic Futures/Financial Futures Online and Distance Education Working Group, 2019-2021

University of Colorado System

System Online Governance Committee Lead for Boulder Campus, 2022-Present

Campus Online Education Representative for Boulder Campus, 2022-Present

Search Committee, Vice President Online Education, 2021

RFP Representative to CU System for Online Education Consulting Contract, 2020

Representative to Office of Digital Education for Boulder Campus, 2020-2022