

# Robert H. McDonald

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## EDUCATION

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

University of South Carolina, Columbia, South Carolina

### **M.Mus. Music Composition**

Thesis: "An Analysis of the music of Iannis Xenakis and Pierre Boulez."

University of Georgia, Athens, Georgia

### **B.Mus. Music Composition**

University of Georgia, Athens, Georgia

## PROFESSIONAL EXPERIENCE

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

- Reporting to the Director of the Data to Insight Center with responsibility for collaborative projects that utilize Digital Library Program and UITS Research Technologies resources in mass data storage, data analysis, data curation, and digital library infrastructure.

Associate Dean for Library Technologies and Associate Librarian – Indiana University – Bloomington, IN.  
August 2008 – Present.

- Reporting to the Dean of University Libraries with reporting responsibility to the CIO and University Information Technology Services.
- Responsible for the Library Technology Division including the Digital Library Program, Information Technology Services Department, Web Services Department and the IU system-wide Integrated Library Systems Department.
- Responsible for the statewide Indiana University Integrated Library System (IUCat - 8 campuses).

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 2007 – August 2008.

Chronopolis Project Manager, Technology R&D Division – San Diego Supercomputer Center – U.C. San Diego, La Jolla, CA. December 2006 – June 2007.

Associate Director of Libraries for Technology & Research and University Librarian, Division of Library Technology & Research – Florida State University Libraries, Tallahassee, FL. March 2005 – January 2007.

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

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

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

Information Technology & Digital Projects Librarian and Assistant Librarian, Auburn University Libraries, Auburn, AL. March 1999 – April 2002.

## **PUBLICATIONS (This listing includes publications from the last two years 2006-2008.)**

### **Edited Journal Articles**

McDonald, R.H. “Sustainable Communities for Software: Variations on a Theme.” *Educause Review* 44(5) (Sept/Oct 2009).

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).

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>

### **Peer-Reviewed Journal Articles and Proceedings**

McDonald, R.H. and T.O. Walters. “Restoring Trust Relationships within Collaborative Digital Preservation Federations.” *Proceedings of the 4<sup>th</sup> International Conference on Open Repositories*. May 18, 2009, Atlanta, GA.

Jordan, C., R.H. McDonald, D. Minor, and A. Kozbial. “Cyberinfrastructure Collaboration for Distributed Digital Preservation.” *Proceedings of the 4<sup>th</sup> IEEE International Conference on eScience*. Dec. 10-12, 2008, Indianapolis, IN.

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.

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.

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 Objects (iPRES)*. September 29-30, 2008, London, UK.

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.

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.

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.

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/>

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>

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>

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).

## **SELECTED CONFERENCE PARTICIPATION**

### **Invited/Keynote Presentations**

Invited Keynote, "Uncovering our Digital Cultural Heritage for the Millennial Generation: Some Thought and Examples." Lindenwood University Faculty Symposium, 10, 2009, St. Louis, MO.

Invited Keynote, "Uncovering our Digital Cultural Heritage for the Millennial Generation: Some Thought and Examples." Missouri Digitization Conference, March 10, 2009, Kansas City, MO.

Invited Speaker, NISO Spring Forum on Digital Preservation, March 14, 2008, Washington, DC.

Invited Speaker, "Is Library 1.0 Ready for Web 2.0?" North Carolina Library Association 57<sup>th</sup> Biennial Conference, October 18, 2007, Hickory, NC.

Invited Keynote Speaker, Inaugural Electronic Resources and Libraries Conference 2006, Atlanta, GA, March 23-25, 2006.

### **Presented Papers/Presentations/Poster Sessions**

Co-Presenter, "Cyberinfrastructure Collaboration for Distributed Digital Preservation Microsoft." 2008 Microsoft e-Science Workshop, December 8, 2008, Indianapolis, IN.

Poster Session, *Cyberinfrastructure Collaboration for Distributed Digital Preservation*, 4<sup>th</sup> IEEE International Conference on e-Science, December 10, 2008, Indianapolis, IN.

Co-Presenter, *Disconnects Between Learning Management Systems and Millennial Generation User Expectations*, Educause Annual Conference, October 31, 2008, Orlando, FL.

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.

Co-Presenter, *Cross-Institutional Repository Assessment: A Standardized Model for Institutional Research Assessment*, ARL Library Assessment Conference, August 5, 2008, Seattle, WA.

Co-Presenter, *Data-Cyberinfrastructure Collaboration at the University of California, San Diego*, CNI Fall 2007 Task Force Meeting, December 11, 2007, Washington, DC.

Co-Presenter, *A Discussion on Disconnects Between Library Culture and Millennial Generation Values*, Educause 2007 Annual Conference, October 24, 2007, Seattle, WA.

Co-Presenter, *Data-Cyberinfrastructure Collaboration at the University of California, San Diego*, Access 2007 Conference, October 12, 2007, Victoria, British Columbia.

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.

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.

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 24<sup>th</sup> IEEE Conference on Mass Storage Systems and Technologies, MSST*, September 24, 2007, San Diego, CA.

Co-Presenter, *The NDIIPP/SDSC Partnership: Chronopolis*, NDIIPP Summer 2007 Partners Meeting, June 27, 2007, College Park, MD.

Poster Session, "Replication Policies for Distributed Digital Preservation Federations." *Proceedings of Science Archives in the 21<sup>st</sup> Century*, A NASA Symposium, April 26, 2007, College Park, MD.

Co-Author, "Sustainability Models for Digital Preservation Federations." *Proceedings of DigCCurr 2007: An International Symposium in Digital Curation*, April 19, 2007, Chapel-Hill, NC.

Co-Presenter, *Using MediaWiki Open-Source Software as Infrastructure for Electronic Resources Outreach*, February 26, 2007. Five Weeks to a Social Library 2007.

Co-Presenter, *Discussing the Disconnects Between Library Culture and Millennial Generation User Values*, February 6, 2007, Blended Librarians Webcast.

Poster Session, *Who is Contributing to E-Print Archives*, Open Repositories Conference 2007, January 24, 2007, San Antonio, TX.

## **Professional Affiliations**

- Association of College and Research Libraries (ACRL)
- Association of Computing Machinery (ACM)
- American Library Association (ALA)
- American Society for Information Science & Technology (ASIS&T)
- Association for Library Collections and Technical Services (ALCTS)
- Coalition for Networked Information (CNI)
- EDUCAUSE (Institutional Representative)
- IEEE Computer Society
- The Internet Society
- Internet2 (Institutional Representative) (University Corporation for Advanced Internet Development)
- Library and Information Technology Association (LITA)

## **SERVICE**

### **Selected National**

Member, Educause Quarterly Editorial Review Board – 2009-2010

Taiga Forum V Program Planning Committee 2009-2010.

Taiga Forum IV Program Planning Committee 2008-2009.

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

Member, 2007-2009 LITA Program Planning Committee.

LITA Monographs Editor 2007-2009.

Member, Code4lib 2008 Gender Diversity and Minority Scholarship Committee.

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

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

Grants Reviewer for the National Science Foundation.

### **Selected Regional**

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

Member, Educause 2008 Western Regional Conference Program Review Panel.

### **Indiana University**

Member, Information Technology Managers Council

Representative, Business Intelligence Working Group

Representative, Identity Management Working Group

Representative, IT Strategic Plan

Representative, Educause

### **Indiana University Libraries**

Member, Dean's Advisory Council.

Member, Library Resources Committee.

Representative, Council of Head Librarians

## **San Diego Supercomputer Center**

Member, Data Reliability Committee

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

Member, Digital Preservation Initiatives Group

Member, SDSC Transition Team

- Communications and Public Relations Working Group.

Member, Trusted Digital Repository Certification Audit Committee

## **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.*

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

## **AWARDS/HONORS**

Frye Leadership Institute Fellow, 2009.

Pi Kappa Lambda, National Music Honor Society, 1996.

Co-PI: VIVO: Enabling National Networking of Scientists. NIH (\$485K, Oct 2009-Sep 2011)

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), Total Funding \$1,000,000. 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.

Co-PI, *MetaArchive of Southern Digital Culture*: A Partnership funded by the Library of Congress's National Digital Information Infrastructure and Preservation Program (NDIIPP), Total Funding \$1,300,000.00. A Partnership with Emory University, Virginia Tech., Georgia Tech., Auburn University, and the University of Louisville.

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.