

Robert J. Sandusky

Curriculum Vitae

University of Illinois at Chicago
University Library (MC-234)
801 South Morgan Street
Chicago, Illinois 60607
sandusky at uic dot edu
ORCID orcid.org/0000-0002-2917-6822
Open Science Framework public profile osf.io/mx3th

Employment

2012-present: Associate Professor, Associate Dean, and Associate University Librarian for Information Technology, University of Illinois at Chicago, University Library
2007-2012: Clinical Associate Professor, Assistant University Librarian for Information Technology, University of Illinois at Chicago, University Library
2005-2007: Assistant Professor, School of Information Sciences, University of Tennessee, Knoxville.

Education

Ph.D., Library and Information Science, University of Illinois at Urbana-Champaign, 2005
Dissertation: Information, Activity, and Social Order in Distributed Work: The Case of Distributed Software Problem Management. Advisor: Les Gasser
M.S., Computer Science, Northern Illinois University, 1983
B.A., English, Northern Illinois University, 1979

Refereed Journal Articles

Tenopir, C., Talja, S., Horstmann, W., Late, E., Hughes, D., Schmidt, B., Baird, L., Sandusky, R.J., Allard, S. (2017). Research data services in European academic research libraries. *LIBER Quarterly*, 27(1), pp.23–44. <http://doi.org/10.18352/lq.10180>

Tenopir, C., Hughes, D., Allard, S., Frame, M., Birch, B., Baird, L., Sandusky, R.J., Langseth, M., & Lundeen, A. (2015). Research data services in academic libraries: Data intensive roles for the future? *Journal of eScience Librarianship*, 4(2): e1085. 10.7191/jeslib.2015.1085

Tenopir, C., Sandusky, R.J., Allard, S., & Birch, B. (2014). Research data management services in academic research libraries and perceptions of librarians. *Library & Information Science Research*, 36(2), 84-90. doi: 10.1016/j.lisr.2013.11.003

Tenopir, C., Sandusky, R.J., Allard, S., & Birch, B. (2013). Academic librarians and data research services: Preparation and attitudes. *IFLA Journal*, 39(1), 70-78. (Refereed by journal editors). doi: 10.1177/0340035212473089

Sandusky, R.J. & Tenopir, C. (2008). Finding and using journal article components: Impacts of disaggregation on teaching and research practice. *Journal of the American Society for Information Science and Technology*. 59(6), 970-982.

Sandusky, R.J. (2003). Infrastructure management as cooperative work: Implications for systems design, Computer Supported Cooperative Work (CSCW) *The Journal of Collaborative Computing*, 12(1), 97-122.

Bishop, A.P., Neumann, L.J., Star, S.L., Merkel, C., Ignacio, E. & Sandusky, R.J. (2000). Digital libraries: Situating use in changing information infrastructure. *Journal of the American Society for Information Science*, 51(4), 394-413.

Freed, M., Hendricks, A., Sandusky, R.J., & Wang, J. (1995). A higher level information tool for network administrators, *Katharine Sharp Review*, No. 1, Summer 1995.

Refereed Conference Papers

Sandusky, R.J. (2017). How recordkeeping ensures trust in digital archives. Short paper and poster presentation. ASIST Annual Meeting, Crystal City, VA. October 27 – November 1, 2017. <https://10.1002/pr2.2017.14505401160> (Refereed).

Sandusky, R.J. (2016). Computational provenance in DataONE: Implications for cultural heritage institutions. Presented at Computational Archival Science: Digital Records in the Age of Big Data. Workshop of 2016 IEEE International Conference on Big Data (IEEE BigData 2016). (Washington, D.C., US, December 8, 2016) <https://10.1109/BigData.2016.7840984> (Refereed).

Tenopir, C., Sandusky, R.J., Allard, S., & Birch, B. (2012). Academic librarians and data research services: Preparation and attitudes. Paper presented at the Federation of Library Associations and Institutions (IFLA) 78th IFLA General Conference and Assembly, Science and Technology Libraries Section. Helsinki, Finland. August 11 - 17, 2012. (Refereed).

Gunia, B. & Sandusky, R.J. (2010). Designing metadata for long-term data preservation: DataONE case study. Short paper and poster presentation. ASIST Annual Meeting, Pittsburgh, PA. October 22 - 27, 2010. (Refereed). Available at <http://onlinelibrary.wiley.com/doi/10.1002/meet.14504701435/pdf>; accessed 14 September, 2011. DOI: 10.1002/meet.14504701435

Mehra, B. & Sandusky, R.J. (2008). Applications of community-based action research in elective courses: Partnering library and information science students with underserved populations to meet their information technology needs. Presented at the 2008 ALISE Annual Conference, Philadelphia, PA January 8-12, 2008. Summary available at http://www.alise.org/index.php?option=com_content&view=article&id=173; accessed 14 September, 2011.

Sandusky, R.J., Tenopir, C. & Casado, M.M. (2007). Uses of figures and tables from scholarly journal articles in teaching and research. ASIST Annual Meeting, Milwaukee, Wisconsin, October 18 - 25, 2007. Available at <http://arizona.openrepository.com/arizona/handle/10150/106164>; accessed 14 September, 2011. DOI: 10.1002/meet.1450440389.

Sandusky, R.J., Tenopir, C. & Casado, M.M. (2007). Figure and table retrieval from scholarly journal articles: User needs for teaching and research. ASIST Annual Meeting, Milwaukee, Wisconsin, October 18 - 25, 2007. Available at <http://arizona.openrepository.com/arizona/handle/10150/105117>; accessed 14 September, 2011. DOI: 10.1002/meet.1450440390.

Sandusky, R.J., & Gasser, L. (2005). Negotiation and the coordination of information and activity in distributed software problem management. GROUP '05: ACM 2005 International Conference on Supporting Group Work. Sanibel Island, Florida, November 6 - 9, 2005, 187-196. Conference paper acceptance rate: 27%. Available at: <http://portal.acm.org/citation.cfm?doid=1099203.1099238>.

Sandusky, R.J. (2005). Software problem management as information management in a F/OSS development community. OSS 2005: The First International Conference on Open Source Systems. Genova, Italy, July 11 - 15, 2005. Available at: <http://oss2005.case.unibz.it/Papers/49.pdf>.

Sandusky, R.J., Powell, K. & Feng, A. (1998). Design for collaboration in networked information retrieval. In B. M. Wildemuth, K. Liberman, and D. H. Sonnenwald (Eds.), *Collaboration Across Boundaries: Theories, Strategies and Technology*, Proceedings of the 1998 ASIS Mid-year Meeting, Orlando, FL, May 16-20, 1998. Medford, NJ: Information Today. Available: <http://www.asis.org/Conferences/MY98/Sandusky.htm>; accessed 14 September, 2011.

Sandusky, R.J. (1997). Infrastructure management as cooperative work: Implications for systems design. In S. C. Hayne and W. Prinz (Eds.), *Proceedings of the International ACM SIGGROUP Conference on Supporting Group Work: The Integration Challenge*, November 16-19, 1997, Phoenix, Arizona, USA, pp. 91-100. Available at: <http://portal.acm.org/citation.cfm?doid=266838.266871>.

Book Chapters

Sandusky, R.J. (2012). Network management. In Bates, M.J. ed., *Understanding information retrieval systems: Management, types, and standards*. Boca Raton, FL: CRC Press, 149-160. (Refereed).

Sandusky, R.J. (2010). Network management. In Bates, M.J. & Niles Maack, M., eds., *Encyclopedia of Library and Information Science*, 3d ed. Taylor & Francis, 3901-3909. (Refereed).

Mehra, B. & Sandusky, R.J. (2009). Applications of community-based action research in elective courses: Partnering library and information science students with underserved populations to meet their information technology needs. In Roy, L., Jensen, K., & Hershey, A., eds., *Service Learning: Linking Library Education and Practice*. Chicago: ALA Editions, 153-168.

Other Conference Papers, Posters and Presentations

Sandusky, R., (2017). Translating archival science: Recommendations for data repositories. Poster presentation. DataONE All Hands Meeting, Santa Ana Pueblo, NM. August 29-31, 2017.

Sandusky, R., (2017). Provenance in the archives: Recommendations for data repositories. Poster presentation. DataONE User Group Meeting, Bloomington, IN. July 24-25, 2017.

Seneca, T., De Groote, S., Darcovich, J., Harris, V., Lehnen, C., & Sandusky, R. (2016) Digital humanities at the UIC Library: The digital humanities task force. Poster presented at the 2016 Chicago Colloquium on Digital Humanities and Computer Science (DHCS), UIC, Chicago, IL, November 11-13, 2016.

Sandusky, R., (2015). Computational provenance and archival science. Poster presentation. DataONE User Group Meeting, Pacific Grove, CA. July 12-13, 2015.

Sandusky, R., Koskela, R., Budden, A., Vieglais, D. (2014) Advancing data discovery: Academic libraries and DataONE. Presentation at the 2014 LITA (Library and Information Technology Association) Forum, Albuquerque, NM, November 7, 2014. (Refereed).

Mullins, J., Salo, D., Sandusky, R.J., & Starr, J. (2013). Data, E-data, data curation: Our new frontier. LITA (Library and Information Technology Association) panel presentation at the ALA (American Library Association) Annual Meeting, Chicago, IL, June 29, 2013. (Invited).

Tenopir, C., Sandusky, R.J., Allard, S., & Birch, B. (2012). North American Academic Libraries and Research Data Services: Institutional Motivations. Poster presented at the International Federation of Library Associations and Institutions (IFLA) 78th IFLA General Conference and Assembly. Helsinki, Finland. August 11 - 17, 2012. (Refereed).

Sandusky, R.J. & Greenberg, J. (2012). Long-term stewardship of scientific data: Your library can participate in DataONE. LITA (Library and Information Technology Association) session at the ALA (American Library Association) Annual Meeting, Anaheim, CA, June 24, 2012.

Enriquez, V., Judson, S.W., Weber, N.M., Allard, S., Cook, R.B., Piwowar, H.A., Sandusky, R., Vision, T.J., Wilson, B. (2010). Data citation in the wild. International Data Curation Conference, Chicago, IL, December 6-8, 2010. (Refereed).

Klassen, T.W., Blecic, D.D., De Groote, S., Hepburn, P., Lowery, R., Martin, K.E., Raszewski, R., Sandusky, R.J., Shultz, M. (2010). E-research and data management at a large research university: Using

survey results to develop a library plan. Poster presented at ALA Annual Conference, Washington, DC, June 26, 2010. (Refereed).

Sandusky, R.J. (2009). DataONE: Open Persistent Access to Earth Observational Data. Panel presentation: The DataNet Partners Update: DataONE and the Data Conservancy. Coalition for Networked Information (CNI) Fall 2009 Membership Meeting, Washington, D.C., December 14-15, 2009. (Refereed).

Cook, R., Michener, W., Frame, M., Hampton, S., Smith, K., Allen, P., Horsburgh, J., Jones, M., Sandusky, R.J., Scherle, R., Servilla, M., Vieglais, D., Wilson, B., Allard, S., Buneman, P., Butler, R., Cobb, J., Cruse, P., Deelman, E., DeRoure, D., Duke, C., Goble, C., Hobern, D., Honeyman, P., Hutchison, V., Kelling, S., Kranowitz, J., Kunze, J., Ludaescher, B., Manoff, M., Pereira, R., Pouchard, L., Tenopir, C., Weltzin, J., Welch, V. (2009). DataONE: A Virtual Data Center for Biology, Ecology, and the Environmental Sciences. Presentation at American Geophysical Union Annual Meeting, San Francisco, CA, December 14-18, 2009. (Refereed).

Allard, S., Cruse, P., Sandusky, R.J., & Tenopir, C. (2009). DataONE: Protecting the Future of Environmental and Ecological Data. Panel presentation. ASIST Annual Meeting, Vancouver, B.C. November 6 - 11, 2009. (Refereed).

Sandusky, R.J., Palmer, C., Allard, S., Cragin, M., Cruse, P., Renear, A., & Tenopir, C. (2009). The DataNet Partners: Sharing Science, Linking Domains, Curating Data. Panel presentation. ASIST Annual Meeting, Vancouver, B.C. November 6 - 11, 2009 (Refereed).

Michener, W., Allard, S., Allen, P., Buneman, P., Butler, R., Cobb, J., Cook, R., Cruse, P., Deelman, E., DeRoure, D., Duke, C., Frame, M., Goble, C., Hampton, S., Hoben, D., Honeyman, P., Horsburgh, J., Hutchison, V., Jones, M., Kelling, S., Kranowitz, J., Kunze, J., Ludaescher, B., Mannoff, M., Pereira, R., Pouchard, L., Sandusky, R.J., Scherle, R., Servilla, M., Smith, K., Tenopir, C., Vieglais, D., Welch, V., Weltzin, J., Wilson, B. (2009). DataONE: A Virtual Data Center for Biology, Ecology, and the Environmental Sciences. Poster presented at Ecological Society of America Annual Meeting, Albuquerque, NM, August 2-7, 2009. (Refereed).

Sandusky, R.J., Cruse, P., Kunze, J., Allard, S., & Tenopir, C. (2009). The Role of Academic Libraries in DataONE: Engaging in E-Science through Project Partnership. Poster presented at ACRL Science and Technology Section, ALA Annual Conference, Chicago, IL, July 13, 2009. (Refereed).

Michener, W., Cook, R., Frame, M., Hampton, S., Smith, K., Allen, P., Horsburgh, J., Jones, M., Sandusky, R.J., Scherle, R., Servilla, M., Vieglais, D., Wilson, B., Allard, S., Buneman, P., Butler, R., Cobb, J., Cruse, P., Deelman, E., DeRoure, D., Duke, C., Goble, C., Hobern, D., Honeyman, P., Hutchison, V., Kelling, S., Kranowitz, J., Kunze, J., Ludaescher, B., Normore, L., Pereira, R., Pouchard, L., Tenopir, C., Weltzin, J., Welch, V. (2009). DataNetONE: A Virtual Data Center for Biology, Ecology, and the Environmental Sciences. Poster presented at TeraGrid '09, Arlington, VA, June 22-25, 2009. (Refereed).

Michener, W., Cook, R., Frame, M., Hampton, S., Smith, K., Allen, P., Horsburgh, J., Jones, M., Sandusky, R.J., Scherle, R., Servilla, M., Vieglais, D., Wilson, B., Allard, S., Buneman, P., Butler, R., Cobb, J., Cruse, P., Deelman, E., DeRoure, D., Duke, C., Goble, C., Hobern, D., Honeyman, P., Hutchison, V., Kelling, S., Kranowitz, J., Kunze, J., Ludaescher, B., Normore, L., Pereira, R., Pouchard, L., Tenopir, C., Weltzin, J., Welch, V. (2009). DataNetONE: A Virtual Data Center for Biology, Ecology, and the Environmental Sciences. Poster presented at e-Biosphere 09 International Conference on Biodiversity Informatics, London, UK, June 1-3, 2009. (Refereed).

Sandusky, R.J. & Fleischmann, K.R. (2008). Organizer and moderator for *Undergraduate programs: Transforming LIS Education*. Panel at the 2008 ASIST Annual Meeting, Columbus, OH, October 24-29, 2008. Panelists: Kendall, L. (University of Illinois at Urbana-Champaign); Wildemuth, B. (University of North Carolina at Chapel Hill); McNeese, M.D. (Pennsylvania State University). (Refereed).

Sandusky, R.J. & Crowe, J. (2008). Distributed community content: A participatory content management

system for rural youth photographers. Panel presentation: Distributed Community. Association of Internet Researchers 9.0, Copenhagen, Denmark, October 16-18, 2008. (Refereed).

Cortez, E., Sandusky, R.J., & Aristeguieta, S.L. (2008). A cross-cultural and bilingual experience in LIS education. Presented at the Open Road 2008 Conference: Multilingualism and the Information Society, Melbourne, May 15-16, 2008. (Refereed). Available at http://trace.tennessee.edu/cgi/viewcontent.cgi?article=1013&context=utk_infosciepubs; accessed 14 September, 2011.

Sandusky, R.J. (2008). Deep indexing and discovery of tables and figures. Presented at Next Generation Discovery: New Tools, Aging Standards, a NISO Forum. March 27-28, 2008, Chapel Hill, NC. (Invited).

Sandusky, R.J. (2007). Herbaria collections in the southeastern United States: Characteristics of emerging cyberinfrastructure. Presented at the Symposium on the Status of the Herbarium: Cyberinfrastructure in the Southeast, Association of Southeastern Biologists Annual Meeting, Columbia, SC, April 18-21, 2007. (Invited).

Sandusky, R.J. (2007). Organizer and moderator for *Undergraduate programs in LIS schools: Reflections, Challenges & Opportunities*. Panel at the 2007 ALISE Annual Conference, Seattle, WA, January 15-18, 2007. Panelists: Bonzi, S. (Syracuse University); Kendall, L. (University of Illinois at Urbana-Champaign); Carbo, T. (University of Pittsburgh); Leckie, G.J. (University of Western Ontario); Marty, Paul F. (Florida State University).

Sandusky, R.J. (2006). Knowledge creation and sharing in software problem management: Sensemaking in a distributed community. Panel presentation: Knowledge Sharing in Online Communities of Practice: Digital Trends. ASIST Annual Meeting, Austin, Texas, November 3 - 8, 2006 (Refereed).

Sandusky, R.J. (2005). Distributed information practices: Collective information behavior in a global workplace. Poster at the ALISE Annual Conference, Boston, MA, January 11-14, 2005.

Gasser, L., Ripoché, G., Sandusky, R.J., Sansonnet, J., & Turner, W. (2004). Distributed representations and collective agreement. Society for Social Studies of Science and The European Association for the Study of Science and Technology Meeting, Paris, August 25-28, 2004 (Refereed).

Sandusky, R.J. (2004). Information management in software development organizations: Negotiating design. Poster at the ALISE Annual Conference, San Diego, CA, January 6-9, 2004.

Sandusky, R.J. (1997). Retrieving the user: Surveillance in digital libraries, presented at the 1997 ASIS Mid-year Meeting, Scottsdale, AZ, May 16-20, 1997.

Sandusky, R.J., & Battenfield, B. (1996). Digital library management issues, presented at Allerton 1996: Libraries, People, and Change: A Research Forum on Digital Libraries, the 38th Allerton Institute 1996, October 27-29, 1996, Allerton Park and Conference Center, Monticello, Illinois.

Sandusky, R.J. (1996). Outcome measures for the emerging virtual library, presented as part of a panel at the LITA/LAMA National Conference, held October 13-16, 1996 in Pittsburgh, PA.

Bishop, A.P., Star, S.L., Neumann, L., Ignacio, E., Sandusky, R.J. & Schatz, B.R. (1996). Building a university digital library: The need for a user-centered approach. In *Higher Education and the NII: From Vision to Reality*. Proceedings of the Monterey Conference, Sept. 26-29, 1995. Washington, DC: Educom.

Workshops

Sandusky, R.J. & Crowe, J. (2007). A Web 2.0 enabled content management system for rural youth photographers: Social computing supporting community empowerment. Poster presented at 3rd Annual Social Informatics Research Symposium: The social web, social computing and the social analysis of

Computing. ASIST Annual Meeting, Milwaukee, Wisconsin, October 19, 2007. Available at <http://arizona.openrepository.com/arizona/bitstream/10150/105121/1/SanduskySIGSISymposiumPoster.pdf>; accessed 14 September, 2011.

Sandusky, R.J. (2006). Shared, persistent user search paths: Social navigation as social classification. Poster presented at 17th Annual SIG/CR Classification Research Workshop: Social Classification: Panacea or Pandora? ASIST Annual Meeting, Austin, Texas, November 4, 2006 (Refereed).

Sandusky, R.J. (2005). Forming and sustaining online communities: The role of distributed collective information practices. Sustaining community: The role and design of incentive mechanisms in online systems. Workshop of GROUP '05: ACM 2005 International Conference on Supporting Group Work. (Sanibel Island, FL, US, November 6, 2005) (Refereed). Available at: <http://jellis.net/research/group2005/papers/sanduskyWorkshop.pdf>.

Gasser, L., Ripoche, G., Sandusky, B., & Scacchi, W. (2005). A global research infrastructure for multidisciplinary empirical science of free/open source software: A position paper. Available at <http://citeseerx.ist.psu.edu/viewdoc/summary?doi=10.1.1.85.6125>.

Sandusky, R.J., Gasser, L. & Ripoche, G. (2004). Information practices as an object of DCP research. Distributed Collective Practice: Building New Directions for Infrastructural Studies. Workshop of the ACM CSCW 2004 Conference. (Chicago, IL, US, November 6, 2004) (Refereed). Available to <http://citeseerx.ist.psu.edu/viewdoc/summary?doi=10.1.1.10.9047>.

Sandusky, R. J., Gasser, L., & Ripoche, G. (2004). How negotiation shapes coordination in distributed software problem management. Distributed Collective Practice: Building New Directions for Infrastructural Studies. Workshop of the ACM CSCW 2004 Conference. (Chicago, IL, US, November 6, 2004) (Refereed).

Sandusky, R.J., Gasser, L. & Ripoche, G. (2004). Bug report networks: Varieties, strategies, and impacts in a F/OSS development community. MSR 2004: International Workshop on Mining Software Repositories, ICSE 2004, IEEE International Conference on Software Engineering, Edinburgh, Scotland, UK, May 25, 2004 (Refereed).

Gasser, L., Ripoche, G. & Sandusky, R.J. (2004). Research infrastructure for empirical science of F/OSS. MSR 2004: International Workshop on Mining Software Repositories, ICSE 2004, IEEE International Conference on Software Engineering, Edinburgh, Scotland, UK, May 25, 2004 (Refereed).

Invited participant, UIUC - NSF Workshop on Continuous (Re)Design of Open Source Software, University of Illinois at Urbana-Champaign, October 8-9, 2003.

Sandusky, R.J. (2002). Digital library attribute taxonomy: Framing usability research, presented at Workshop Usability for Digital Libraries, Joint Conference on Digital Libraries 2002, Portland, Oregon, July 14-18, 2002 (Refereed).

Sandusky, R.J. (2002). Digital library attributes: Framing research and results, Fourth DELOS Workshop on Evaluation of Digital Libraries: Testbeds, Measurements, and Metrics, Budapest, Hungary, June 6-7, 2002 (Refereed).

Twidale, M., Nichols, D., O'Brien, J. & Sandusky, R.J. (1997). Collaboration in the digital library, Workshop at ACM Digital Libraries '97, Philadelphia, PA, July 23-26, 1997.

Datasets

Tenopir, C., Talja, S., Horstmann, W., Late, E., Hughes, D., Pollock, D., Schmidt, B., Baird, L., Sandusky, R.J., Allard, S. (2016). LIBER Academic Librarians RDS Data Set [Data set]. Zenodo. <http://doi.org/10.5281/zenodo.162174>.

Software Systems

Explore Chicago Collections. Explore Chicago Collections allows you to search for information in the physical and digital archives of more than 20 libraries and museums. Member of the Portal Committee 2013-2014, which performed the technical design of two distinct systems:

- *Metadata Hopper*, allows users to contribute content to an XTF repository and to enhance that content through shared navigation facets or 'tags.' It also generates a Dublin Core metadata file that works alongside the original metadata file to create a consistent search and browse interface, available at <http://hopper.chicagocollections.org/>; accessed 3 December 2016.
- *Explore Chicago Collections*, the public interface, available at <http://explore.chicagocollections.org/>; accessed 3 December, 2016.

DataONE (Data Observation Network for Earth). Cyberinfrastructure to ensure the preservation of and access to multi-scale, multi-discipline, and multinational environmental science data. See DataONE Architecture documents. Available at <http://mule1.dataone.org/ArchitectureDocs-current/>; accessed 14 September, 2011.

Growing Tennessee: Rural Youth Cultivate Common Ground. Participatory content management system. (2007-present). Available at <http://growingtn.org/>.

Virtual Lab Sessions for Undergraduate Education: Engaging Digital Natives in Media Literacy. A series of online learning modules for the University of Tennessee's College of Communication and Information undergraduate students. (2006-2008).

Reports

Tenopir, C., Talja, S., Horstmann, W., Late, E., Hughes, D., Pollock, D., Schmidt, B., Baird, L., Sandusky, R.J., Allard, S. (2016). *Research Data Services in European Academic Research Libraries*. Available at http://libereurope.eu/wp-content/uploads/2016/10/LIBER_RDM_SURVEY_FINAL_MANUSCRIPT.pdf accessed 18 October 2016.

Seneca, T., Tortorella, D., Blair, C., Sandusky, R.J. (2013). CCC public portal system requirements specification. January 2013. 21 pages.

Tenopir, C., Sandusky, R.J. & Casado, M.M. (2006). *The Value of CSA Deep Indexing for Researchers*. Available at: <http://info.csa.com/csaiustrata/whitepaper/reg.shtml>. (*Executive Summary* available at: <http://info.csa.com/csaiustrata/whitepaper/execsummary.pdf>.) Accessed: 11 December 2006.

Other Presentations

Sandusky, R.J. (2018). Moderator for panel on Regional and Consortial Collaboration in Academic Libraries. Initiative to Recruit a Diverse Workforce sponsored by the Association of Research Libraries. Steven Adams, Mary Case, Veronda Pitchford, and Sarah Pritchard, panelists at University of Illinois at Chicago, March 13, 2018.

Sandusky, R.J., Benedict, K. (2018). The DataONE Users Group (DUG): Supporting and connecting the DataONE user community. DataONE Webinar Series. February 13, 2018. (Invited).

Sandusky, R.J., Gregory, G.M., Mundle, K., Wood, T., Hanneke, R., Insua, G., Matthews, J., Seneca, T. (2017). Making Summon Go (For Everyone). Presentation at the Ex Libris Users of North America (ELUNA) 2017 Annual Meeting. Schaumburg, IL, May 9-12, 2017. (Invited).

Sandusky, R.J. (2017). Computational archival science: Highlights from the 2016 workshop. Presentation at the 2017 Code4Lib Midwest Meeting. Chicago, IL, April 26, 2017.

Heller, M., & Sandusky, R.J. (2017). Moving toward the computational archive: A facilitated breakout session. Held at the 2017 Code4Lib Midwest Meeting. Chicago, IL, April 26, 2017.

Sandusky, R. (2016). Computational provenance in cultural heritage contexts. Presentation at the imProvenance group meeting. December 2, 2016. (Invited).

Sandusky, R., Morovati, M., & Scherle, R. (2016). The stewardship gap. Community-led roundtable at DataONE Users Group Meeting, Durham, NC, July 17-18, 2016.

Sandusky, R., (2016). Computational provenance in GLAMs. Presentation at the May 2016 Code4Lib Chicago Meeting, Chicago, IL. May 23, 2016.

Sandusky, R. (2013). Tools you can use to manage research data. Presentation at the UIC 2013 IT Professionals Forum "Support Success", Chicago, IL, April 3, 2013. (Refereed).

Klassen, T.W., Blecic, D.D., De Groote, S., Goben, A., Hepburn, P., Lowery, R., Martin, K.E., Raszewski, R., Sandusky, R.J., & Shultz, M. (2012). E-research and data management at a research university: Results of a survey. Poster presented at the UIC 2012 IT Professionals Forum, Chicago, IL, April 5, 2012. (Refereed).

Goben, A., De Groote, S., & Sandusky, R.J. (2012). Research data management: Library and campus collaboration to support e-research. Panel presentation at the UIC 2012 IT Professionals Forum, Chicago, IL, April 5, 2012. (Refereed).

Jones, M., Vieglais, D., Wilson, B., & Sandusky, R.J. (2011). DataONE cyberinfrastructure. Code4Lib Midwest 2011 Meeting, University of Illinois at Chicago, Chicago, IL, July 28, 2011.

Sandusky, R.J. (2010). Open persistent access to scientific data. Biomedical and Health Informatics Colloquium, University of Illinois at Chicago. January 25, 2010. (Invited).

Tenopir, C., Sandusky, R.J., Schmitt, E., Dun, L., & Hyer, M. (2008). Deep indexing: A new approach to searching scholarly literature. Library Journal Webcast, May 20, 2008.

Crowe, J., Sandusky, R.J., & Roberts, M.A. (2007). Growing Tennessee: Rural youth cultivate common ground. Presented at Why Are We Here? Justice, Power, Privilege, and the Social Work Profession, School of Social Work, August 21, 2007, University of Tennessee, Knoxville.

Sandusky, R.J. (2007). Lifelong learning: Lessons for new information professionals. Presented at i.c.stars, May 29, 2007, Chicago, IL.

Sandusky, R.J. (2006). Finding and using journal article components: Impacts of disaggregation and reaggregation on scientific practice. Presented at the College of Communication and Information Fall 2006 Research Forum.

Sandusky, R.J. (2005). Solving problems and managing information: Social informatics in distributed information systems research. Presented at the School of Information Sciences Fall 2005 Research Forum.

Book Reviews

Sandusky, R.J. (2002). Book Review of "Accessing and Browsing Information and Communication," by Ronald E. Rice, Maureen McCreddie, and Shan-Ju L. Chang. Cambridge, MA: The MIT Press, 2001. *Journal of the American Society for Information Science and Technology*, 53(13), 1185-1187

Sandusky, R.J. (1998). Book Review of "Practical Digital Libraries: Books, Bytes & Bucks," by Michael Lesk, Morgan Kaufmann, San Francisco, CA, 1997. *Journal of the American Society for Information Science*, 49(11), 1038-1039.

Sandusky, R.J. (1997). Book Review of "Bringing Design to Software," edited by Terry Winograd, Addison-Wesley, New York, 1996. *Journal of the American Society for Information Science*, 48(12), 1149-1150.

Sandusky, R.J. (1997). Book Review of "Information Systems Development and Data Modeling: Conceptual and Philosophical Foundations," by Rudy Hirschheim, H. K. Klein, and K. Lyytinen, Cambridge University Press, Cambridge, 1995. *The Information Society: An International Journal*, 13(2), April-June 1997.

Research Experience

University of Illinois at Chicago

DataONE (DataNetONE): Observation Network for Earth; Co-investigator and member of the Core Cyberinfrastructure Team (2007-2014); member of the Usability and Assessment Working Group (2010-present).

Grant: National Science Foundation Program Solicitation NSF 07-601 Sustainable Digital Data Preservation and Access Network Partners (DataNet), 2009-2014. Grant Award No. 0830944, \$21,194,548.00. Led by the University of New Mexico, William K. Michener, PI, with sub award to the University Library at the University of Illinois at Chicago.

Mentor for DataONE Summer Internship Program, Summer 2010. Project titled "Baseline Assessment of Data Practices of Libraries and Librarians". Co-mentors Suzie Allard and Carol Tenopir, School of Information Sciences, University of Tennessee, Knoxville. Student participants: Betsy Gunia (Northwestern University) and Christine Murray (University of Michigan).

INTEROP: Creation of an International Virtual Data Center for the Biodiversity, Ecological and Environmental Sciences; Member of the Virtual Data Center Technical Working Group. Grant Award No. 0753138, \$749,739.00. Led by the University of New Mexico, William K. Michener, PI.

University of Tennessee, Knoxville

The Value of CSA Deep Indexing for Researchers

Contract: CSA; Carol Tenopir and Robert J. Sandusky, co-Principal Investigators.

Science Links Project

Grant: Institute for Museum and Library Services (IMLS), Grant No. 0205346; Bill Robinson (School of Information Sciences) and Jill Keally (University Libraries), co-Principal Investigators.

University of Illinois at Urbana-Champaign

Research Associate, Information Systems Research Laboratory, 2002-2005.

Grant: National Science Foundation ITR (Digital Society and Technologies) Program, Grant No. 0205346; Leslie G. Gasser, Principal Investigator.

Research Assistant, CANIS Laboratory, 1997-2000.

Grant: DARPA Information Management Program, contract N66001-97-C-8535; Bruce R. Schatz, Principal Investigator.

Research Assistant, Digital Library Initiative, 1995-1998.

Grant: NSF/NASA/DARPA Digital Libraries Initiative under cooperative agreement NSF IRI 94-11318COOP; Bruce R. Schatz, William Mischo and Ann P. Bishop, Principal Investigators.

Fellowships, Grants, Awards

Co-Investigator, DataNet Full Proposal: DataNetONE: Observation Network for Earth, National Science Foundation, 2009-2014, \$20,000,000. William Michener, PI, University of New Mexico. Subaward to University of Illinois at Chicago, \$110,365. Status: funded.

Dean's Summer Research Fund (2007). Award: \$1,000.

Dean's Summer Research Fund (2006). Award: \$2,000.

SARIF Summer Graduate Research Assistantship Grant (2006). Award: \$3,600 graduate student stipend.

The Value of CSA Deep Indexing for Researchers (2006). Contract with CSA: \$75,000.

“Virtual Lab Sessions for Undergraduate Education: Engaging Digital Natives in Media Literacy,” Submitted by R.J. Sandusky (School of Information Sciences), R. Ambler (Communication Studies), D. Bowles (Journalism & Electronic Media), S. J. McMillan (Advertising & Public Relations), D. Haygood (Advertising & Public Relations). Program sponsored by the Innovative Technology Center, University of Tennessee, 2006 Teaching with Technology Grant. Award: \$15,000

Recipient of NSF travel grant to attend Fourth DELOS Workshop on Evaluation of Digital Libraries: Testbeds, Measurements, and Metrics, Budapest, Hungary, June 6-7, 2002.

Eliza Luehm Latzer Scholarship, Graduate School of Library and Information Science, University of Illinois at Urbana-Champaign, 1995-1998.

Anita and Marie Hostetter Fellowship, Graduate School of Library and Information Science, University of Illinois at Urbana-Champaign, 1994-1995; 1998-1999.

Teaching Experience

University of Illinois at Chicago

Spring 2010

Practicum advisor for Betsy Gunia, Graduate School of Library and Information Science, University of Illinois at Urbana-Champaign.

School of Information Sciences, University of Tennessee, Knoxville

Fall 2008

IS 585, Information Technologies (adjunct)

Spring 2008

IS 301, Introduction to Web Technologies (consultant)

Fall 2007

IS 301, Introduction to Web Technologies

IS 585, Information Technologies

Spring 2007

IS 585, Information Technologies

Fall 2006

IS 460, Introduction to Electronic Communication and Information Resources on the Internet

IS 585, Information Technologies

IS 590, Problems in Information Sciences: Technologies for Documents and Collections

Spring 2006

IS 556, Knowledge Management for Information Professionals

Fall 2005

IS 585, Information Technologies

IS 567, Information Network Applications

Graduate School of Library and Information Science, University of Illinois at Urbana-Champaign

Spring 1998

LIS 353, Using Networked Information Systems

Fall 1997

LIS 353, Using Networked Information Systems

Spring 1995

LIS 371, Project in the Design and Analysis of Information Systems (Teaching Assistant)

Fall 1994

LIS 370, Information Systems and Analysis (Teaching Assistant)

North Central College, Naperville, Illinois

Adjunct Professor, Department of Computer Science, 1988-1989.

Northern Illinois University, DeKalb, Illinois
Teaching Assistant, Department of Computer Science, 1982-1983.

Professional Activities

Service

University of Illinois at Chicago

Within the Library:

- University Library Steering Committee (Chair 2008-2014; 2017-), 2007- (appointed)
- Library Assessment Implementation Program (Chair 2008-2017), 2008- (appointed)
- Discovery Services Advisory Group (Co-chair), 2016- (appointed)
- Digital Content Management and Preservation Task Force, 2012- (appointed)
- User Experience Council, 2012-2016 (Chair, 2015-2016) (appointed)
- Scholarly Communications Committee, 2008- (appointed)
- Digital Humanities Task Force, 2012-2017 (appointed)
- Data Management – Data Curation Committee, 2014- (appointed)
- Promotion and Tenure Committee, 2008-2010, 2012- (appointed)
 - Mentor for tenure-leading faculty member, 2012-2014
 - Liaison for tenure-leading faculty member, 2014-
 - Mentor for two clinical faculty members, 2016-
 - Evaluation of Non-Traditional Works for UIC Librarians Task Force, 2015
 - Chair and member of numerous Peer Review of Librarianship Committees, 2008-
- Unit Advisory Committee for Performance Review Merit Determination, 2015- (appointed)
- Web Advisory Group (Chair 2013-2015), 2012-2015 (appointed)
- Learning Management System Work Group (Convener, 2014), 2014-2015
- Web Oversight Committee (Chair 2009-2012, 2014-2015), 2007-2012 (appointed)
- E-Research Sub-Committee of the Scholarly Communications Committee (Co-chair), 2011-2012 (appointed)
- Library Task Force on Effective Communication Infrastructure (Co-chair), 2011-2012 (appointed)
- Lectures & Forums, 2010-2012 (elected)
- Digital Strategy Task Force (Chair), 2008-2009 (appointed)
- Accessibility Implementation Task Force, 2008 (appointed)
- E-Research Task Force, 2009-2010 (appointed)
- Emergency Preparedness and Business Continuity Planning Task Force (Co-chair), 2009-2010 (appointed)
- Search committees (Library Systems Staff positions (chair) 2012, 2013, 2014, 2015, 2016; Resident Librarians 2012; GMR Technology Coordinator, 2012) (appointed)

University of Illinois at Chicago Campus:

- John Marshall Law School Information Technology Systems Integration Team, 2017- (appointed)
- Faculty Senate, 2012-2015; 2016-2017 (elected)
 - Member of Support Services Committee, 2012- (elected)
 - Chair of Support Services Committee, 2017- (elected)
- UIC Web Accessibility Committee, 2008-2012 (volunteered)
- Information Technology at UIC Task Force, 2010 (appointed)
 - Member of Education and Research subcommittees
- Member, ACCC Technical Council, 2010-2011 (appointed)
- Member, Infrastructure and Security Committee of the Information Technology Governance Council, 2011-2012 (appointed)
- Research Committee of the Information Technology Governance Council (appointed)
 - Member, 2012-

- Member, Research Committee of the Information Technology Governance Council – Bylaws Subcommittee, 2015 (volunteered)
 - Chair, Institutional Stewardship of Research Data Subcommittee, 2012- (volunteered)
- Member, LMS Governance Board (of the Education Committee of the Information Technology Governance Council), 2012-2014 (appointed)
- Member, Storage Infrastructure and Services Working Group (part of the UIC Information Technology Strategic Planning effort), 2013 (appointed)
- Member, IT Strategic Roadmap Working Group, 2013-2014 (appointed)
- Member, Student Success Initiative Project “Teaching and Learning Center”, 2015 (appointed)
- Unit Information Security Officer, 2015-2018 (appointed)

University of Illinois System:

- Records and Information Management Services (RIMS) – Advisory Committee, 2012- (appointed)

Regional / National:

- Association for Information Science & Technology
 - Awards and Honors Committee, 2017- (volunteered)
- Chicago Collections Portal Committee, 2013-2014 (volunteered)
- Committee on Institutional Cooperation (CIC)
 - Library Information Technology Directors, 2007-2011 (appointed)
 - Digital Library Initiatives Oversight Committee, 2007-2011 (appointed)
- Coalition for Networked Information (Library Representative), 2008-
- NISO Education Committee, 2009-2012 (volunteered)
- ALA LITA Assessment and Research Committee, 2009-2011 (volunteered)
- Mentor for ARL Diversity Scholar Program, 2010 (volunteered)
- Best of LRTS Award Jury (ALA ALCTS), 2009-2011; Chair, 2010-2011 (volunteered)
- NEEScomm Curation Advisory Board, 2012-2014 (volunteered)

International:

- imProvenance Group member, 2016-2017 (volunteered)
- DataONE Users Group, co-chair 2017-2019 (elected)
- DataONE Users Group, steering committee member, 2013- (volunteered)
- DataONE Users Group, founding chair, 2010-2011 (elected)
- DataONE Users Group, founding member, 2010- (volunteered)
- DataONE Usability and Assessment Working Group member, 2010- (appointed)

University of Tennessee

Within the School of Information Sciences:

- Faculty coordinator for the Minor in Information Studies & Technology, 2005-2007 (appointed)
- Member, Curriculum Committee, School of Information Sciences, 2006-2007 (elected)
- Comprehensive Examination Committee, School of Information Sciences, 2006-2007; Chair, Spring 2007 (volunteered)
- Member, Student Affairs Committee, School of Information Sciences, 2005-2006 (appointed)
- Member of one thesis committee (Desiree Fox), 2005-2007 (volunteered)

Within the College of Communication and Information:

- Member, Undergraduate Studies Committee, College of Communication and Information, 2005-2007; Chair, fall 2007 (elected)
- Member, Scripps Convergence Laboratory Committee, 2007 (appointed)
- Member of dissertation committee (Dick Kawooya), 2006-2008 (volunteered)

Campus:

- Member, Information Management / Information Sciences Task Force, 2005-2007 (appointed)

- Member, Graduate Minor in Computational Science Planning Group, 2005-2007 (appointed)

Community Engagement:

- Member, Latino Task Force of East Tennessee, 2006-2007 (volunteered)
- Member, Telamon Growing Tennessee Steering Committee, 2007 (volunteered)
- Centro Hispano de East Tennessee, 2007 (volunteered)

University of Illinois at Urbana-Champaign, Graduate School of Library and Information Science

- Ph.D. Student Representative to the GSLIS Ad-Hoc Committee on Technology Courses, 1995-1996 (volunteered)
- Ph.D. Student Representative to the GSLIS Faculty Committee, 1994-1995 (elected)

Referee, Reviewer, Conference Organizer

Journals

- Library Management
- Environmental Management
- Journal of Education for Library and Information Science
- Journal of Community Informatics
- Marketing Science
- Computer Supported Cooperative Work: The Journal of Collaborative Computing
- The Information Society: An International Journal
- Information Systems Research
- Katherine Sharp Review

Conferences, workshops, collections, etc.

- ASIST Annual Meeting 2017 (Program Committee, Reviewer)
- DataONE Users Group Meeting 2017 (Program Committee, Reviewer)
- AoIR 2016 / IR 17 (Association of Internet Researchers Annual Conference) (Reviewer)
- DataONE Users Group Meeting 2016 (Program Committee, Reviewer)
- Code4Lib Chicago November 2015 (Program Committee)
- DataONE Users Group Meeting 2015 (Program Committee)
- ASIST Annual Meeting 2011, Track Co-chair, Information and Knowledge Management
- ASIST Annual Meeting 2010 (Program Committee, Reviewer)
- CSCW 2010: ACM Conference on Computer Supported Cooperative Work (Reviewer)
- ASIST Annual Meeting 2009 (Reviewer)
- AoIR 2009 / IR 9 (Association of Internet Researchers Annual Conference) (Reviewer)
- Encyclopedia of Library and Information Science, 3d ed. (M.J. Bates & M.N. Maack, editors) (Reviewer)
- ASIST Annual Meeting 2007 (Program Committee)
- CHI 2007: ACM 2007 Conference on Computer / Human Interaction (Reviewer)
- GROUP 2005: ACM 2005 International Conference on Supporting Group Work (Reviewer)
- First International Conference on Open Source Systems, 2005 (Program Committee)
- Mining Software Repositories Workshop, 2004 (Reviewer)

Other

- External referee for promotion, retention and tenure
 - University of Alabama, Tuscaloosa, 2013
- University of Tennessee Internal NSF Pre-Proposal Reviewer, 2007
- NSF proposal review panelist, 2007, 2008
- Reviewer for Eugene Garfield - ALISE Doctoral Dissertation Award, 2006

Affiliations

- Member, Association for Computing Machinery (ACM)
- Member, American Society for Information Science and Technology (ASIST)

- Member, Association for Library and Information Science Education (ALISE) (past)
- Member, IEEE Computer Society (past)
- Member, Association of Internet Researchers (past)
- Member, American Library Association (ACRL, LITA, ALCTS)
- Member, Society of American Archivists

Professional Systems Development, Management, and Administration

Associate University Librarian for Information Technology, Associate Professor, and Associate Dean, University Library, University of Illinois at Chicago, 2007-

Provide leadership and vision for digitization, preservation, and innovations in scholarly communications including open-access publishing services, institutional repositories, and new library services in support of research, education, and community engagement appropriate for a library serving an academic research university with a comprehensive health sciences center. Lead effort to formalize collaboration between the UIC and UIUC University Libraries. Support consortium efforts to build a trusted, shared digital repository for members of the Committee on Institutional Cooperation (CIC) as well numerous state-level consortium programs with the Consortium of Academic and Research Libraries in Illinois (CARLI). Support and improve established library and information services and systems.

Senior Project Manager / Information Architect / Senior Web Developer, ComPsych Corp., Chicago, IL, 2000-2005.

Initiated and managed projects with teams of business stakeholders, visual designers, interaction and usability designers, content specialists and software developers. Introduced and advocated applying user-centered techniques to system design. The key system delivered was a dynamic digital library combining multi-media content and integrated access to multiple information and referral resources. Participated in the design and development of this digital library from its inception as a small-scale demonstration system to a larger, more robust system using n-tier components, personalization engine, Java, and XML.

Programmer, National Center for Supercomputing Applications (NCSA), University of Illinois at Urbana-Champaign, 1998-2000.

Developed WWW interfaces for access to NSF Supercomputing Usage Database and for direct researcher control of supercomputing resources. Used PERL, CGI, DBI/DBD, URI, and SQL (Oracle and Sybase) in this project.

Systems Officer, Fednet National Network Management Control Center, The Federal Reserve Bank of Chicago. 1983-1994.

Managed the Network Operations (19 staff operating 24 hours per day, 7 days per week, 365 days per year) and Network Engineering staff of 6 for the Federal Reserve's nationwide data communications network, Fednet. Network used for electronic transfer of funds, securities, and electronic payments and settlements. Shared responsibility for multi-million-dollar annual budget.

Academic Library Experience

Associate University Librarian for Information Technology, Associate Professor, and Associate Dean, University Library, University of Illinois at Chicago, 2007-

Provide leadership and vision for digitization, preservation, and innovations in scholarly communications, technical services, research data management, information technology. Provide leadership to multiple library departments providing shared services to a four-library system with locations in four cities: Library Systems, Digital Programs & Services, and Resource Acquisition and Management.

Founders Memorial Library, Automated Records Department, Northern Illinois University. 1979-1982.

Performed copy cataloging (OCLC) with specializations in serials and materials from Southeast Asia. Participated in implementation of the library's first OPAC.

Faraday Library of Chemistry and Physics, Northern Illinois University. 1978-1979.

Performed serials management and circulation desk duties as a student worker in Physics and Chemistry library.

Skills

Design and Execution of Qualitative and Quantitative Research Projects Using:

Interviewing; observation; surveys/questionnaires; transaction/system log analysis; usability studies

Analysis of Qualitative and Quantitative Data:

Grounded theory; content analysis; statistical analysis

Computational Tools for Qualitative and Quantitative Data Analysis:

Atlas.ti; SPSS; SAS and others

Systems Analysis and Development Skills:

Repository and publishing systems: Open Journal System 2.3+; Vireo Electronic Theses and Dissertations 1.0+; DSpace 1.4+. Software Development Methods: Rational Unified Method (RUP); Design Patterns; Structured Analysis and Design. Content Management Systems: WebGUI, Plone, Drupal. Programming Languages and Systems: Java; BEA WebLogic 8.1; ColdFusion 4.5/5.0 Application Server; ATG Dynamo Application / Personalization / Scenario Servers 5.6/6.2; Microsoft SharePoint Portal Server; JRun4 Application Server; JavaScript; PERL/CGI; Smalltalk; HTML / XHTML / XML / XSL / XSLT; SQL (MySQL, Oracle, Sybase, SQLServer, Access); PASCAL; Basic Assembly Language; COBOL; BASIC; C. Databases: MySQL; Oracle; SQLServer; Sybase; Access; Versant (OODBMS); IMS, DB/2 (Hierarchical). Operating Systems: Unix (Linux variants; Solaris; HP Unix); Windows (Win 7; Vista; XP; 2000; NT; 98; etc.); Mac OS 10; MVS; VM. Protocols: Internet; OSI; SNA

Management:

Project Management; Software Development, Deployment and Maintenance (Agile, Waterfall); Systems (Hardware and Software) Deployment and Maintenance; Personnel Management; Budget Planning and Management

Foreign Language:

German

r. 98