Shuheng Wu

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Graduate School of Library & Information Studies, Queens College
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Education

Ph.D. in Information Studies	2009 - 2014

School of Information, Florida State University, Tallahassee, Florida
Dissertation Title: Exploring the data work organization of the Gene Ontology

M.S. in Library and Information Science	2006 - 2008

School of Information Studies, Syracuse University, Syracuse, New York

B.S. in Computer Science and Technology	2000 - 2004

Sun Yat-sen (Zhongshan) University, Guangzhou, China

B.M. in Archives Science	2000 - 2004

Sun Yat-sen (Zhongshan) University, Guangzhou, China

Research Interests

- Knowledge organization
- Data curation
- Social informatics
- Information and data quality
- Metadata and ontologies

My research interests are in the intersection of knowledge organization (KO) and sociotechnical systems, applying them for data curation as well as the development, evaluation, and enhancement of KO systems. My current research focuses on examining bibliographic enhancement data for academic library catalogs and identifying New Yorkers' information quality needs during COVID-19.

Publications

Refereed Journal Articles

Wu, S. (2021). Exploring Chinese researchers' research information management practices: Implications for academic libraries. *The Journal of Academic Librarianship, 47*(3). https://doi.org/10.1016/j.acalib.2021.102348

Henshaw, Y., & **Wu, S.** (2020). RILM Index (Répertoire international de littérature musicale). *IEKO Encyclopedia of Knowledge Organization*. https://www.isko.org/cyclo/rilm

Cao, F., **Wu, S.**, & Stvilia, B. (2020). Library makerspaces in China: A comparison of public, academic, and school libraries. *Journal of Librarianship and Information Science, 52*(4), 1209-122. https://doi.org/10.1177%2F0961000620908657

Wu, S., & Worrall, A. (2019). Supporting successful data sharing practices in earthquake engineering. *Library Hi Tech, 37*(4), 764-780. https://doi.org/10.1108/LHT-03-2019-0058

Stvilia, B., **Wu, S.**, & Lee, D. J. (2019). A framework for researcher participation in research information management systems. *The Journal of Academic Librarianship, 45*(3), 195-202. https://doi.org/10.1016/j.acalib.2019.02.014

Wu, S., Fan, Y. (2018). Music literature indexing: Comparing users' free-text queries and controlled vocabularies. *Cataloging & Classification Quarterly, 56*(4), 330-353. https://doi.org/10.1080/01639374.2017.1422582

Fan, Y., & **Wu, S.** (2018). Necessity and feasibility of building a traditional Chinese music thesaurus in the Internet environment. *Chinese Music, 6*, 75-82. https://doi.org/10.13812/j.cnki.cn11-1379/j.2018.06.008 (manuscript written in Chinese)

Lee, D. J., Stvilia, B., & **Wu, S.** (2018). Toward a metadata model for research information management systems. *Library Hi Tech, 38*(3), 577-592. https://doi.org/10.1108/LHT-01-2018-0013

Stvilia, B., **Wu, S.**, & Lee, D. J. (2018). Researchers' uses of and disincentives for sharing their research identity information in research information management systems. *Journal of the Association for Information Science and Technology, 69*(8), 1035-1045. https://doi.org/10.1002/asi.24019

Stvilia, B., **Wu, S.**, & Lee, D. J. (2018). Researchers' participation in and motivations for engaging with research information management systems. *PLoS ONE, 13*(2): e0193459. https://doi.org/10.1371/journal.pone.0193459

Wu, S., Stvilia, B., & Lee, D. J. (2017). Readers, personal record managers, and community members: An exploratory study of researchers' participation in online research

information management systems. *Journal of Library Metadata, 17*(2), 1-34. https://doi.org/10.1080/19386389.2017.1348783

Stvilia, B., Hinnant, C. C., **Wu, S.**, Worrall, A., Lee, D. J., Burnett, K., Burnett, G., Kazmer, M. M., & Marty, P. F. (2017). Toward collaborator selection and determination of data ownership and publication authorship in research collaborations. *Library and Information Science Research, 39*(2), 85-97. https://doi.org/10.1016/j.lisr.2017.03.004

Stvilia, B., Hinnant, C. C., **Wu, S.**, Worrall, A., Lee, D. J., Burnett, K., Burnett, G., Kazmer, M. M., & Marty, P. F. (2015). Research project tasks, data, and perceptions of data quality in a condensed matter physics community. *Journal of the Association for Information Science and Technology, 66*(2), 246-263. https://doi.org/10.1002/asi.23177

Jörgensen, C., Stvilia, B., & **Wu, S.** (2014). Assessing the relationships among tag syntax, semantics, and perceived usefulness. *Journal of the Association for Information Science and Technology, 65*, 836-849. https://doi.org/10.1002/asi.23029

Wu, S., Stvilia, B., & Lee, D. J. (2012). Authority control for scientific data: The case of molecular biology. *Journal of Library Metadata, 12*(2-3), 61-82. https://doi.org/10.1080/19386389.2012.699822

Stvilia, B., Jörgensen, C., & **Wu, S.** (2012). Establishing the value of socially created metadata to image indexing. *Library and Information Science Research*, *34*, 99-109 https://doi.org/10.1016/j.lisr.2011.07.011

Hinnant, C. C., Stvilia, B., **Wu, S.**, Worrall, A., Burnett, K., Burnett, G., Kazmer, M. M., & Marty, F. P. (2012). Author team diversity and the impact of scientific publications: Evidence from physics research at a national science lab. *Library and Information Science Research, 34,* 249-257. https://doi.org/10.1016/j.lisr.2012.03.001

Refereed Conference Papers

Wu, S., Worrall, A., & Stvilia, B. (2016). Exploring data practices of the earthquake engineering community. In D. Fenske & J. Greenberg (Co-Chairs), *iConference 2016 Proceedings*. Champaign, IL: iSchools. https://doi.org/10.7939/r3-440b-8313 (acceptance rate: 30%)

Wu, S., & Stvilia, B. (2014). Exploring the development and maintenance practices in the Gene Ontology. *Advances in Classification Research Online, 24*(1)*,* 38-42. Retrieved from https://journals.lib.washington.edu/index.php/acro/article/view/14675 https://doi.org/10.7152/acro.v24i1.14675

Refereed Book Chapters

Wu, S., Stvilia, B., & Lee, D. J. (2014). Authority control for scientific data: The case of molecular biology. In S. D. Miksa (Ed.), *Functional future for bibliographic control:*

Transitioning into new communities of practices and awareness (pp. 9-30). London, UK: Routledge.

Burnett, G., Burnett, K., Kazmer, M. M., Marty, P. F., Worrall, A., Knop, B., Hinnant, C. C., Stvilia, B., & **Wu, S.** (2014). Don't tap on the glass, you'll anger the fish! The information worlds of distributed scientific teams. In P. Fichman & H. Rosenbaum (Eds.), *Social informatics: Past, present, and future* (pp. 118-133). Cambridge, UK: Cambridge Scholars Publishing.

Refereed Conference Posters

Wu, S. (2020). Enhancing bibliographic records in academic library catalogs: An empirical study. *Proceedings of the Association for Information Science and Technology, 57*(1). https://doi.org/10.1002/pra2.402

Wu, S., & Fan, Y. (2017). Music literature indexing: A comparison between users' free-text queries and controlled vocabularies. *Proceedings of the Association for Information Science and Technology, 54*(1), 831-832. https://doi.org/10.1002/pra2.2017.14505401175

Wu, S., Stvilia, B., & Lee, D. J. (2017). How do Chinese researchers use research information management systems?: An exploratory study. *Proceedings of the Association for Information Science and Technology, 54*(1), 829-830. https://doi.org/10.1002/pra2.2017.14505401174

Lee, D. J., Stvilia, B., & **Wu, S.** (2017). Practices of metadata use in research information management systems. *Proceedings of the Association for Information Science and Technology, 54*(1), 734-735. https://doi.org/10.1002/pra2.2017.14505401136

Lee, D. J., Stvilia, B., & Wu, S. (2017). Studying service and metadata models of research information management systems. *iConference 2017 Proceedings*. Champaign, IL: iSchools. http://hdl.handle.net/2142/96744

Wu, S., Stvilia, B., & Lee, D. J. (2016). Exploring researchers' participation in online research identity management systems. *Proceedings of the Association for Information Science and Technology, 53*(1), 1-6. https://doi.org/10.1002/pra2.2016.14505301105

Wu, S., & Houghtaling, E. (2016). Studying bibliographic enhancement data for library catalogs. In D. Fenske & J. Greenberg (Co-Chairs), *iConference 2016 Proceedings*. Champaign, IL: iSchools. https://doi.org/10.9776/16602

Fu, H., **Wu, S.**, & Oh, S. (2015). Evaluating answer quality across knowledge domains: Using textual and non-textual features in social Q&A. *Proceedings of the Association for Information Science and Technology, 52*(1), 1-5. https://doi.org/10.1002/pra2.2015.145052010088

Fu, H., & **Wu, S.** (2015). Studying Chinese-English mixed language queries from the user perspectives. *Proceedings of the 15th ACM/IEEE-CE on Joint Conference on Digital*

Libraries (pp. 247-248). New York, NY: ACM.
https://doi.org/10.1145/2756406.2756958

Fu, H., & **Wu, S.** (2015). Determining the user intent of Chinese-English mixed language queries based on search logs. *Proceedings of iConference 2015*. Champaign, IL: iSchools. Retrieved from http://hdl.handle.net/2142/73685

Fu, H., & **Wu, S.** (2014). Analyzing Chinese-English mixed language queries in a Web search engine. *Proceedings of the Association for Information Science and Technology, 51*(1), 1-5. https://doi.org/10.1002/meet.2014.14505101114

Wu, S. (2013). A model for assessing the quality of Gene Ontology. In W. Moen (Chair), *Proceedings of iConference 2013* (pp. 953-956)*.* Champaign, IL: iSchools. http://hdl.handle.net/2142/42088

Stvilia, B., Hinnant, C. C., **Wu, S.**, Worrall, A., Lee, D. J., Burnett, K., Burnett, G., Kazmer, M. M., & Marty, P. F. (2013). Studying the data practices of a scientific community. In J. S. Downie & R. H. McDonald (Chairs), *Proceedings of the 13th ACM/IEEE-CS Joint Conference on Digital Libraries* (pp. 425-426)*.* New York, NY: ACM. https://doi.org/10.1145/2467696.2467781

Wu, S., Stvilia, B., & Lee, D. J. (2012). Data determination, disambiguation, and referencing in molecular biology. In K. Boughida & B. Howard (Chairs), *Proceedings of the 12th ACM/IEEE-CS Joint Conference on Digital Libraries* (pp. 363-364). New York, NY: ACM. https://doi.org/10.1145/2232817.2232892

Jörgensen, C., Stvilia, B., & **Wu, S.** (2012). Relationships among category semantics, perceptions of term utility, and term length and order in a social content creation system. In J.-E. Mai (Chair), *Proceedings of iConference 2012* (pp. 541-543). New York, NY: ACM. https://doi.org/10.1145/2132176.2132280

Hinnant, C. C., Stvilia, B., **Wu, S.**, Worrall, A., Burnett, K., Burnett, G., Kazmer, M. M., & Marty, P. F. (2012). Data curation in scientific teams: An exploratory study of condensed matter physics at a national science lab. In J.-E. Mai (Chair), *Proceedings of iConference 2012* (pp. 498-500). New York, NY: ACM. https://doi.org/10.1145/2132176.2132263

Worrall, A., Marty, P. F., *Roberts*, J., Burnett, K., Burnett, G., Hinnant, C. C., Kazmer, M. M., Stvilia, B., & **Wu, S.** (2012). Observations of the lifecycles and information worlds of collaborative scientific teams at a national science lab. In J.-E. Mai (Chair), *Proceedings of iConference 2012* (pp. 423-425). New York: ACM. https://doi.org/10.1145/2132176.2132234

Jörgensen, C., Stvilia, B., & **Wu, S.** (2011). Assessing the quality of socially created metadata to image indexing. In A. Grove (Ed.), *Proceedings of the Association for Information Science and Technology, 48*(1), 1-4. https://doi.org/10.1002/meet.2011.14504801325

Non-refereed Conference Posters

Lee, D. J., Stvilia, B., & **Wu, S.** (2016, May). *Towards researcher participation in research information systems*. Poster presented at the 2016 Texas Conference on Digital Libraries (TCDL), Austin, TX.

Wu, S., & Stvilia, B. (2014, January). *Exploring the work organization of the Gene Ontology*. Poster presented at the Annual Conference of the Association for Library and Information Science Education (ALISE), Philadelphia, PA.

Wu, S., & Stvilia, B. (2013, November). *Work organization of a sociotechnical system: The case of Gene Ontology*. Poster presented at the 9th Annual Social Informatics Research Symposium, Montreal, Canada.

Wu, S. (2011, January). *Enhancing the display of bibliographic records in the library OPAC: An exploratory study.* Poster presented at the Annual Conference of the Association for Library and Information Science Education (ALISE), San Diego, CA.

Stvilia, B., Jörgensen, C., & **Wu, S.** (2011, January). *Value of social terms to image indexing.* Poster presented at the Annual Conference of the Association for Library and Information Science Education (ALISE), San Diego, CA.

Grants

Wu, S. (2019). Enhancing bibliographic records in the library catalogs: An empirical study. *PSC-CUNY Research Award* ($3,499.99). Role: PI.

Stvilia, B., **Wu, S.**, & Lee, D. J. (2016). Towards engaging researchers in research identify data curation. *National Leadership Grants for Libraries funded by the Institutes of Museum and Library Services (IMLS,* $49,950, Award #: LG-73-16-0006-16*)*. Role: Co-PI.

Stvilia, B., **Wu, S.**, & Lee, D. J. (2016). Social aspects of participation in online research identity management systems. *OCLC/ALISE Library and Information Science Research Grant* ($14,984). Role: Co-PI.

Refereed Conference Presentations

Lee, D. J., Stvilia, B., & **Wu, S.** (2019, September). *A framework for researcher engagement in RIMSs and its operationalization in a VIVO-based system*. VIVO Conference 2019, Podgorica, Montenegro.

Wu, S., Lee, D. J., & Stvilia, B. (2017, August). *Engaging researchers in research information management systems*. VIVO Conference 2017, New York, NY.

Lee, D. J., Stvilia, B., & **Wu, S.** (2017, June). *Towards researcher participation in research information management systems.* Open Repository 2017 Conference, Brisbane, Australia.

Non-refereed Conference Presentation

Stvilia, B., **Wu, S.**, & Lee, D. J. (2019, March). *Current research—Expert Finder Systems (EFS) community Building.* National Forum 2019 on Expert Finder Systems, Orlando, FL.

Invited Lectures

Wu, S. (2018, January). *Engaging researchers in research identity data curation: An exploratory study.* Delivered at The University of Hong Kong, Hong Kong, China.

Wu, S. (2017, March). *Users and uses of research information management systems: Readers, record managers, and community members.* Delivered at School of Information Management, Sun Yat-Sen University, Guangzhou, China.

Research Experience

Funded Projects

- Bibliographic enhancement data for library catalogs (PSC CUNY funded project)
- Towards engaging researchers in research identify data curation (IMLS funded project, award number: LG-73-16-0006-16)
- Social aspects of participation in online research identify management systems (OCLC/ALISE funded project)
- Data practices in Condensed Matter Physics (Florida State University funded project)
- Reuse and Integration of Socially Generated Metadata (OCLC/ALISE funded project)
- Virtual Scientific Teams: Life-Cycle Formation and Long-Term Scientific Collaboration (NSF funded project, award number: OCI-0942855)

Unfunded Projects

- New Yorkers' information quality requirements during COVID-19
- Music literature indexing
- Data practices of the earthquake engineering community
- Analyzing Chinese-English mixed language queries in web searching
- Exploring the data work organization of the Gene Ontology (Dissertation project)
- Authority control for scientific data

Graduate Research Assistant
School of Information, Florida State University, Tallahassee, Florida   2011 - 2013

Teaching Experience

Instructor
Course Coordinator for Introduction to Organization of Information
Graduate School of Library & Information Studies, Queens College, Queens, New York
                                                                                 2015 – present

Courses Taught
The Technology of Information (LBSCI 700, core course)
Introduction to Organization of Information (LBSCI 703, core course)
Issues in the Organization of Materials (LBSCI 723)
Data Curation (LBSCI 790)

Adjunct Professor
Faculty of Education, The University of Hong Kong   2020 – present

Teaching Assistant
School of Information, Florida State University, Tallahassee, Florida   2009 – 2014

Academic Services

Journal Section Editor
Open Information Science   2018 - Present

Manuscript Reviewer
Journal of the Association for Information Science and Technology   2017 - Present
Journal of Information Science   2017 - Present
Library Hi Tech   2018
Informatics   2018
International Journal of Information Management   2017
Information Processing and Management (IP&M)   2016
Journal of Education for Library and Information Science (JELIS)   2011
Social Media & Society 2018 Conference   2018
SIG-SI Symposium Program Committee   2013

Program Committee Member and Reviewer
Annual Meeting of the Association for Information Science & Technology   2016 - present

Poster Review Committee Member
Asian Digital Library Conference   2015

Chapter Advisor   2016 - present
The Beta Alpha (Queens College) Chapter of Beta Phi Mu

Professional Experience

Reference Librarian   2008 - 2009
SUNY Broome Community College, Binghamton, New York

Cataloging Intern   2008
Syracuse University Libraries

Archivist   2004 - 2005
Shenzhen Airlines, Co. Ltd., Shenzhen, China

Academic Honors & Awards

Honor Societies

Beta Phi Mu, member of Gamma Chapter   2010 - present
Florida State University

Beta Phi Mu, member of Pi Lambda Sigma Chapter   2009 - 2010
Syracuse University

Awards

President's Award for Excellence in Teaching by Full-Time Faculty   2019
Queens College, The City University of New York

OCLC/ALISE 2016 Library & Information Science Research Award   2016

Certificate of Recognition on the occasion of the "Salute to Scholars"   2016
The City University of New York

William Stewart Travel Awards ($1,300)   2015 - 2017
The City University of New York

Robert G. Clapp Scholarship ($1,000)   2014 - 2015
Florida State University

Outstanding Doctoral Research Award   2013 - 2014
Florida State University

Travel Grant for Digital Societies & Social Technologies Summer Institute ($1,000)   2013
National Science Foundation (NSF)

Esther Maglathlin Doctoral Research Scholarship ($1,400)   2012 - 2013
Florida State University

Dean's Scholarship ($1,000)   2009 - 2010
Florida State University

Membership in Professional Societies

Association for Information Science & Technology (ASIS&T)
ASIS&T Special Interest Group in Social Informatics
ASIS&T Special Interest Group in Digital Libraries
ASIS&T Special Interest Group in Information Needs, Seeking & Use