

TAMY CHAMBERS

tischt@iu.edu ▪ tamychambers.net

RESEARCH INTERESTS

Documentation, Information Behavior, Quantitative Methods in LIS, Text Analysis, Information Theory, Information Organization

EDUCATION

Indiana University Bloomington - Luddy School of Informatics, Computing & Engineering

Ph.D Information Science (2026)

Dissertation Title: Ethos as Dynamic: Analysis of the American Gardening Community through Computation Community Discourse Analysis

Minor: Informatics

MIS Information Science (2013)

University of Wisconsin Madison - College of Letters and Science

B.A. English (1992)

APPOINTMENTS

Academic

Indiana University Bloomington -Luddy School of Informatics, Computing & Engineering

Adjunct Lecturer (2013- present) – Department of Information & Library Science

Assistant Instructor (2012 -2013) - Department of Information & Library Science

Professional

Indiana University Bloomington – Office of Vice President & General Counsel

Senior Equity Analyst/Investigator (2020-present) – Office of Institutional Equity & Title IX

Information Specialist/Data Analyst (2007-2020) – Office of Institutional Equity

Communication Specialist (2004-2007) – Office of Affirmative Action

TEACHING

Course Instruction

Management for Information Professionals (*graduate course*), Adjunct Lecturer (Fall 2016)

Organizational Informatics (*graduate course*), Adjunct Lecturer (Spring 2015)

XML Workshop (*graduate course*), Adjunct Lecturer (Summer 2014, 2015, 2016, 2017, 2018)

Systems Analysis and Design (*graduate course*), Adjunct Lecturer (Fall 2014, Spring 2015)

Lab Instruction

Database Design (*graduate course*), Assistant Instructor (Spring 2013, Fall 2012)

Guest Lecture

Introduction to Doctoral Study (*graduate course*) – Scientometrics: An Overview (Fall 2022)

Systems Analysis & Design (*graduate course*) – Data Modeling: Entity Relationship Diagrams (Fall 2014)

Introduction to Research (*graduate course*) – Qualitative Data Collection & Analysis Methods (Spring 2014)

PUBLICATIONS

Peer-Reviewed Journal Articles

1. Xu, J., Ding, Y., Song, M., & Chambers, T. (2016). Author credit-assignment schemas: A comparison and analysis. *Journal of the American Society for Information Science & Technology*. 67(8):1973-2989. doi: 10.1002/asi.23495
2. Li, D., Tang, J., Ding, Y., Shuai, X., Chambers, T., Sun, G., Luo, Z., & Zhang, J. (2015) Topic-level opinion influence model (TOIM): An investigation using tencent microblogging. *Journal of the American Society for Information Science & Technology*. 66(12):2657-2673. doi: 10.1002/asi.23350
3. Ding, Y., Zhang, G., Chambers, T., Song, M., Wang, X., & Zhai, C. (2014). Content-based citation analysis: The next generation of citation analysis. *Journal of the American Society for Information Science & Technology*. 65(9):1820-1833 doi: 10.1002/asi.23256
4. Li, R., Chambers, T., Ding, Y., Zhang, G., & Meng, L. (2014). Patent citation analysis: Calculating science linkage based on citing motivation. *Journal of the American Society for Information Science & Technology*. 65 (5):1007-1017. doi: 10.1002/asi.23054
5. Song, M., Kim, S., Zhang, G., Ding, Y., & Chambers, T. (2014). Productivity and influence in bioinformatics: A bibliometric analysis using PubMed central. *Journal of the American Society for Information Science & Technology*. 65(2): 352–371. doi: 10.1002/asi.22970
6. Song, M., Han, N., Kim, Y., Ding, Y., & Chambers, T. (2013). Discovering implicit entity relation with the Gene-Citation-Gene network. *PLoS ONE* 8(12): e84639. doi: 10.1371/journal.pone.0084639
7. Ding, Y., Song, M., Jia, H., Yu, Q., Yan, E., Lin, L., & Chambers, T. (2013). Entitymetrics: Measuring the Impact of Entities. *PLoS ONE* 8(8): e71416. doi:10.1371/ journal.pone.0071416

Book Chapters

8. Song, M. & Chambers, T. (2014). Text Mining with the Stanford CoreNLP. In Ding, Y., Rousseau, R., & Wolfram, D.(Eds.) *Measuring Scholarly Impact: Methods and Practice* (pp. 215-234). Heidelberg: Springer. doi: 10.1007/978-3-319-10377-8

Peer-Reviewed Conference Papers & Proceedings

9. Chambers, T. (2017). Location as a factor in a for-profit firm's decision to engage in open science. *The 2017 Atlanta Conference on Science and Innovation Policy*, October 10-11, 2017, Atlanta, Georgia. [poster]
10. Chambers, T., Milojević, S., & Ding, Y. (2014). Female semantic web researchers: Does collaboration with male researchers influence their network status? In *Proceedings of the 2014 ACM conference on Web science (WebSci'14)*. ACM, New York, NY USA, 301-302 doi:10.1145/2615569.2615659 [poster]

11. Chambers, T., Shah, S., Uranker, A., Kalyan, V., Scharnhorst, A., Reijhoudt, L., Rideour, L., Guéret, C., & Ding, Y. (2013). Bilingual researcher profiles: Modeling Dutch researchers in both English and Dutch using the VIVO ontology. *In Proceedings of the American Society for Information Science and Technology* 50(1):1-4 doi:10.1002/meet.14505001137 [poster]

CONFERENCE PRESENTATIONS

1. Chambers, T. (presenter) (2017). The influence of top management team education on the use of scholarly communication by for-profit firms. *2017 Doctoral Research Forum (Department of Library & Information Science, Indiana University)*, October 21, 2017, Bloomington, Indiana, USA.
2. Chambers, T. (presenter), Milojević, S., & Ding, Y. (2014). Female semantic web researchers: Does collaboration with male researchers influence their network status? *2014 ACM Web Science Conference*, June 23-26, 2014, Bloomington, Indiana, USA. – Pecha Kucha Style
3. Chambers, T. (presenter), Shah, S., Uranker, A., Kalyan, B., Scharnhorst, A., Reijhoudt, L., Guéret, C., Rideour, L., & Ding, Y. (2013). A bilingual VIVO instance: Using both Dutch and English to model researchers at VU University of Amsterdam (Vrije Universiteit). *4th Annual VIVO Conference*, August 14-16, 2013, St. Louis, Missouri, USA.

AWARDS

Early Research Poster Award: Atlanta Conference on Science and Innovation Policy (2017)
Fry Family Fellowship: Indiana University (2013)
Student Travel Award: Indiana University (2013)

ACADEMIC SERVICE

Journal Reviewer

PLOS ONE (5) (2016-2025)
Economics of Innovation and New Technology (2019)
Scientometrics Journal (3) (2013-2018)
Journal of the American Society for Information Science and Technology (2) (2013-2016)
Journal of Computer Science and Technology (2014)
International Journal of Engineering and Technology Innovation (2014)

Conference Reviewer

iConference (2015-2024)
ICADL (International Conference on Asia-Pacific Digital Libraries) (2013)
IEEE/ACM ASONAM (International Conference on Advances in Social Networks Analysis and Mining) (2013)

Event Organization

Doctoral Research Forum, Indiana University, Department of Information & Library Science, Co-Chair (10/2014)
Doctoral Professional Forum, Indiana University, Department of Information & Library Science, Co-Chair (4/2014)

Committee Membership

Indiana University, Department of Information & Library Science, Doctoral Association: Co-Chair
(2013-14)

Indiana University, Department of Information & Library Science, Curriculum Committee:
Member (2013-14)

RESEARCH/TECHNOLGY SKILLS

Research Methods: Natural Language Processing, Text Analysis, Network Analysis, Bibliometric & Citation Analysis

Programming Languages: Perl, Python, R

Data/Query Languages: XML, SQL, XQuery, XSLT, HTML, R

Writing Software: InDesign, Acrobat, Word, LaTeX

Visualization Software: Illustrator, Tableau, Excel, Vue, Gephi, Photoshop, PowerPoint, ggplot

Analysis Software: Open Refine, Excel, SPSS, SAS, R, Pajek