TAMY CHAMBERS

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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 (expected 2024)

Dissertation Title: Identification of a Dynamic Ethos within a Dispersed Information-Dependent Community: Computational Discourse Analysis of *The American Gardner* publication

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

RedOak Informatics

Owner/Consultant (2021-present)

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)

Introduction to Research (graduate course) – Historical Research, Content Analysis & Bibliometrics (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. *InProceedings 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) (2016-2020)
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 (2015-2020)
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/TECHNOLOGY 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