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# TAMY CHAMBERS

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## RESEARCH INTEREST

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Documentation of Science, Open-Science Strategy, Research Measurement, Corporate Scholarly Communication, Network and Data Analysis, Bibliometrics, Scientometrics, Knowledge Engineering and Discovery, Open Linked Data, Women in Computing, Semantic Technologies

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## EDUCATION

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(*in progress*) Ph.D., Information Science, Department of Information & Library Science, School of Informatics & Computing, Indiana University, Bloomington. (Minor: Management)

(2013) M.I.S., Information Science, Department of Information & Library Science, School of Informatics & Computing, Indiana University, Bloomington.

(1992) B.A., English, Department of English, College of Letters and Science, University of Wisconsin, Madison.

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## PUBLISHED WORK

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### 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](https://doi.org/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](https://doi.org/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](https://doi.org/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](https://doi.org/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](https://doi.org/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](https://doi.org/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](https://doi.org/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](https://doi.org/10.1007/978-3-319-10377-8)

#### PEER REVIEWED CONFERENCE PAPERS AND 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](https://doi.org/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](https://doi.org/10.1002/meet.14505001137) [poster]

#### PRE-PRINTS:

12. Guéret, C., **Chambers, T.,** Reijhoudt, L., van der Most, F., Scharnhorst, A. (2013). Genericity versus expressivity-an exercise in semantic interoperable research information systems for Web Science. *arXiv preprint. arXiv:1304.5743*

#### PRESENTATIONS

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1. **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
2. **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). *4<sup>th</sup> Annual VIVO Conference, August 14-16, 2013, St. Louis, Missouri, USA.*

#### AWARDS

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(2013) Indiana University: Fry Family Fellowship  
(2013) Indiana University: Student Travel Award

#### TEACHING

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##### COURSE INSTRUCTION:

Management for Information Professionals (*graduate course*), Instructor (Fall 2016)  
Organizational Informatics (*graduate course*), Instructor (Spring 2015)  
XML Workshop (*graduate course*), Instructor (Summer 2017, Summer 2016, Summer 2015, Summer 2014)  
Systems Analysis and Design (*graduate course*), Instructor (Fall 2015, Spring 2014)

##### LAB INSTRUCTION:

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

##### GUEST LECTURE:

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)

#### ACADEMIC SERVICE

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##### JOURNAL REVIEWER:

(2016-2017) PLOS ONE (2)  
(2013-2016) Journal of the American Society for Information Science and Technology (2)  
(2013-2015) Scientometrics Journal (3)  
(2014) Journal of Computer Science and Technology (1)  
(2014) International Journal of Engineering and Technology Innovation (1)

*CONFERENCE REVIEWER:*

- (2017) 2018 iConference (3)
- (2016) 2017 iConference (2)
- (2015) 2016 iConference
- (2013) ICADL (*International Conference on Asia-Pacific Digital Libraries*)
- (2013) IEEE/ACM ASONAM (*International Conference on Advances in Social Networks Analysis and Mining*)

*EVENT ORGANIZATION:*

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

*COMMITTEE MEMBERSHIP:*

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

**EMPLOYMENT**

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- (2013-present) Instructor, Indiana University, Bloomington (*see teaching section*)
- (2007- present) Information Specialist/Data Analyst, Indiana University, Bloomington.
- (2004- 2007) Communication Specialist, Indiana University, Bloomington.

**ORGANIZATIONAL AFFILIATIONS**

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- (2011-present) Association for Information Science and Technology
- (2014-present) International Society for Knowledge Organization
- (2015-present) Society for Social Studies of Science
- (2011-2016) Association for Computing Machinery
- (2013-2015) Association for Institutional Research