

Ph.D. Indiana University
B.A. University of Florida

2017 (expected). Informatics, History of Science. Chair: Katy Börner.
2009. History of Science, Computer Engineering. Chair: R.A. Hatch.

Selected Books & Articles

In Revision

- Ahnert, R., Ahnert, S.E., Algee-Hewitt, M., Coleman, N., & Weingart, S.B. (in revision). *Textual Networks: A Manifesto*. Stanford: Stanford University Press.

Accepted

- Weingart, S.B. & Eichmann, N. (accepted). What's Under the Big Tent? A Study of ADHO Conference Abstracts. *Digital Studies / Le champ numérique*.
- Eichmann, N., Jorgensen, J., & Weingart, S.B. (accepted). Representation at Digital Humanities Conferences (2000-2015). In J. Wernimont & E. Losh (Eds.) *Feminist Debates in Digital Humanities*. Minneapolis: University of Minnesota Press.
- Sack, G. & Weingart, S.B. (accepted). Literary Network Analysis. In J. O'Sullivan (Ed.) *Digital Humanities for Literary Studies: Theories, Methods, and Practices*. State College: Penn State Press.

2016

- Van den Heuvel, C., Weingart, S.B., Spelt, N., & Nellen, H. (2016). Circles of Confidence in Correspondence. *Nuncius*, 31(1).
- Langmead, A., Otis, J., Warren, C., Weingart, S.B., & Zilinski, L. (2016). Towards Interoperable Network Ontologies for the Digital Humanities. *International Journal of Humanities and Arts Computing*, 10(1-2).

2015

- Graham, S., Milligan, I., & Weingart, S.B. (2015). *Exploring Big Historical Data: The Historian's Macroscope*. London: Imperial College Press.

- Ekbia, H., Mattioli, M., Kouper, I., Arave, G., Ghazinejad, A., Bowman, Ratandeeep Suri, V., Tsou, A., Weingart, S.B., & Sugimoto, C. (2015). Big data, bigger dilemmas: A critical review. *Journal of the Association for Information Science and Technology*, 66(8).
- Sugimoto, C. & Weingart, S.B. (2015). The Kaleidoscope of Disciplinarity. *Journal of Documentation*, 71(4).
- Weingart, S.B. (2015). Finding the History and Philosophy of Science. *Erkenntnis*, 80(1).
- Graham, S. & Weingart, S.B. (2015). The Equifinality of Archaeological Networks: an Agent-Based Exploratory Lab Approach. *Journal of Archaeological Method and Theory*, 22(1).

2014

- Graham, S., Milligan, I., & Weingart, S.B. (2014). Writing The Historian's Macroscope in Public. *Perspectives in History*, 52(7).
- Weingart, S.B. (2014). Planned IVMOOC Extensions. In K. Börner & D. Polley (Eds.) *Visual Insights*. Boston: MIT Press.

2013

- Weingart, S.B. (2013). From trees to webs: uprooting knowledge through visualization. In A. Slavic, A. Akdag Salah, & S. Davies (Eds.) *Classification and visualization: interfaces to knowledge*. Würzburg: Ergon Verlag.
- Weingart, S.B. & Jorgensen, J. (2013). Computational Analysis of the Body in European Fairy Tales. *Literary and Linguistic Computing*, 28(3).
- Meeks, E. & Weingart, S.B. (2013). The Digital Humanities Contribution to Topic Modeling. *Journal of Digital Humanities*, 2(1).
- Thelwall, M., Tsou, A., Weingart, S.B., Holmberg, K., & Haustein, S. (2013). Tweeting links to academic articles). *Cybermetrics* 17(1).

Publications (Contd.)

- Milojevic, S., Hemminger, B., Leydesdorff, L., Weingart, S.B., Chen, C., & Priem, J. (2013). Information Visualization State-of-the-Art and Future Directions. *Proceedings of the ASIS&T Annual Meeting* 49(1).

2012

- Graham, S., Weingart, S.B., & Milligan, I. (2012). Getting Started with Topic Modeling and MALLET. *The Programming Historian*, 2.

2011

- Weingart, S.B. (2011). Demystifying Networks. *Journal of Digital Humanities*, 1(1).
- Guo, H., Weingart, S.B., & Börner, K. (2011). Mixed Indicators Model for Identifying Emerging Research Fields. *Scientometrics*, 89(1).

2010

- Weingart, S.B. et al. (2010). *Science of Science (Sci2) Tool User Manual*. Digital Publication.

2009

- Börner, K. et al. (2009). *Network Workbench Tool User Manual*. Digital Publication.

Books Nearing Completion

- *The Networked Structure of Early Modern Science*. A dissertation on the role scholarly societies played in institutionalizing personal networks from the Republic of Letters, allowing for hitherto impossible collaborations and coordination. A combination of archival work and large-scale network analysis on 200,000 letters.
- *Knowledge Uprooted*. An exploration of the ontological and epistemological ramifications of tree and network visualizations over a thousand years of European history. Traditional historiographic research.
- *Digital Humanities Through The Looking Glass*. A quantitative look at bias embedded in the digital humanities community, particularly with respect to systematic barriers to women and minorities during peer review.

Keynote Addresses

- October 2016. Centers of Learning in Urban Environments. *Creativity and the City 1600-2000*, Amsterdam, the Netherlands.
- May 2015. Connecting the Dots. *HASTAC*, East Lansing, MI.
- September 2014. Networks In and Of Society. *Digital Humanities Forum*, Lawrence, KS.

Presentations & *Invited Lectures

2016

- Weingart, S.B., Eichmann-Kalwara, N., & Jorgensen, J. (2016). Gender & Centrality, DH2000-2016. *Keystone Digital Humanities*. Pittsburgh, PA.
- Weingart, S.B., Shore, D., Otis, J., & Warren, C. (2016). Validating Bacon: Accuracy, Representation, and the Early Modern Social Network. *NetworkX*. Stanford, CA.
- *Weingart, S.B. (2016). Designing Arguments. Lehigh University.
- *Weingart, S.B. (2016). The Historian's Macroscopic: Structural Shifts in Early Modern Correspondence Networks. Washington University, St. Louis.
- *Weingart, S.B. (2016). Distributed Scholarship in Early Modern Europe: Networks as an Historical Lens. Yale University.

2015

- *Weingart, S.B. (2015). Communication in Early Modern Europe: Networks as an Historical Method. UC-Boulder.
- *Weingart, S.B. (2015). The Republic of Letters: Networked Serendipity in Early Modern Europe. University of California – Los Angeles.
- Eichmann, N. & Weingart, S.B. (2015). What's Under the Big Tent? A Study of ADHO Conference Abstracts, 2004-2014. *Digital Humanities Summer Institute Colloquium*. Victoria, BC.

Presentations (Contd.)

- *Weingart, S.B. (2015). Digital Scholarship Workshop: Networks & Visualization. University of Florida.

2014

- Weingart, S.B. (2014). Fidelity at Scale. *Big Data Approaches to Intellectual and Linguistic History*. Helsinki Collegium for Advanced Studies.
- McDonald, J., Risam, R., Weingart, S.B., & Wieringa, J. (2014). Microsteps to Advance the Digital Humanities. *Congress of the Humanities and Social Sciences*. St. Catharines, Canada.
- Weingart, S.B., van den Heuvel, C., & Nellen, H. (2014). Operationalizing Confidentiality in Seventeenth-Century Epistolary Networks. *Scientiae*. Vienna, Austria.
- *Weingart, S.B. (2014). When Networks Fail. Stanford University.
- *Weingart, S.B. (2014). Knowledge Uprooted. University of Wisconsin – Milwaukee.

2013

- *Weingart, S.B. (2013). Disciplines: implicit and opposing structures overlaying interdisciplinary research. *Knowledge Orders and Science, KNOWeSCAPE*. The Hague, Netherlands.
- *Weingart, S.B. (2013). Analysis of Two Large Corpora of Early Modern Letter Networks. *Computer Technologies for the Historical Research of Intellectual Networks*. Jerusalem, Israel.
- *Weingart, S.B. (2013). Introduction to Networks and Network Analysis for Humanists. *Computer Technologies for the Historical Research of Intellectual Networks*. Jerusalem, Israel.
- *Weingart, S.B. & Börner, K. (2013). History & Philosophy of Science: Finding the Middle Ground. *Digital HPS*. Bloomington, IN.
- Bowman, T., Demarest, B., Weingart, S.B., Simpson, G., Lariviere, V., Thelwall, M., & Sugimoto, C. (2013). Mapping DH through heterogeneous communicative practices. *Digital Humanities*. Lincoln, NE.
- *Weingart, S.B. (2013). The IVMOOC. *Google's Coursebuilder Faculty Workshop*. Zürich, Switzerland.

- Weingart, S.B. (2013). Weakly Connecting Early Modern Science. *What are Digital Humanities?* University of Oslo.
- *Weingart, S.B. (2013). Networks of Topics, Texts, and Words. *What can we do with 500 billion words?* Indiana University.

2012

- Weingart, S.B. (2012). Accurate and Inadequate Models for Historians. *Human Complexity*. UNC-Charlotte.
- *van den Heuvel, C. & Weingart, S.B. (2012). Desiderata for Visualizing Uncertainty and Contextuality in the Digital Humanities. *Visualising Data Workshop*. Gotha, Germany.
- *Weingart, S.B. (2012). Network Analysis for the Digital Humanities. UW-Madison.
- Weingart, S.B. (2012). Modeling Knowledge Propagation through Early Modern Correspondence Networks. *American Philosophical Association*. Chicago, IL.

2011

- Weingart, S.B. (2011). Sampling Bias in Humanistic Networks. *Networks and Network Analysis for the Humanities: Reunion Conference*. University of California – Los Angeles.
- Jorgensen, J. & Weingart, S.B. (2011). A Quantitative Folkloristic Approach to European Fairy Tales. *American Folklore Society*. Indiana University.
- *Weingart, S.B. (2011). Analyzing, Visualizing, and Navigating the Republic of Letters. Oxford University.
- Weingart, S.B. & Jorgensen, J. (2011). Computational Analysis of Gender and the Body in European Fairy Tales. *Digital Humanities*. Stanford University. [Paul Fortier Prize Winner in [Digital Humanities](#)]
- Weingart, S.B. (2011). Modeling the Republic of Letters. *Computer Simulations in the Humanities*. UNC-Charlotte.

Presentations (Contd.)

2010

- *Weingart, S.B. (2010). Mapping Scientific Networks. Wright-Patterson Air Force Base.
- *Weingart, S.B. (2010). The Circulation of Knowledge and Learned Practices in the 17th Century Dutch Republic – Visualizing & Navigating the Dutch Republic of Letters. Huygens ING.
- *Weingart, S.B. (2010). The Republic of Letters – Using Textual and Network Analysis to Study History and Model Science. VKS.

2009

- *Weingart, S.B. (2009). Perils of Mapping Science. *Republic of Letters Data and Studies Workshop*. Indiana University.
- *Weingart, S.B. (2009). Fitting Agent-Based Models to Historical Networks. *NSF/JSMF Workshop on Mapping the History and Philosophy of Science*. Indiana University.

Other Scholarly Writing

- Nearly a hundred scholarly blog posts on *the scottbot irregular*, visited by over 5,000 people monthly. Posts have been featured as an editors' choice 24 times on *Digital Humanities Now*, 12 times on *DH+Lib*, and 4 times on *Giant's Shoulders: A History of Science Carnival*. Various blog posts have been assigned on over 150 academic syllabuses from nearly 80 universities around the world. Contact for complete list.

Selected Work History

- Digital Humanities Data Scientist. Stanford University. 2014.
- Research Assistant. Cyberinfrastructure for Network Science Center, Indiana University. 2009-2014.
- Research Consultant. Huygens ING. 2010-2011.
- Research Assistant. Digital Library Center, University of Florida. 2009.

[contact for complete list]

Selected Grant Projects

- Six Degrees of Francis Bacon (NEH Implementation Grant / Google Grant). 2015-ongoing.
- Digital Humanities & Technology Enhanced Learning at Carnegie Mellon University (Andrew W. Mellon Foundation). 2015-ongoing.
- Cascades, Islands, or Streams? Time, Topic, and Scholarly Activities in Humanities and Social Science Research (Digging Into Data Grant). 2012-2015.
- Monitoring, Modeling & Forecasting Tools for Fostering Innovative S&T Workforce (NIH/NIGMS Grant). 2011-2014.
- Indiana Philosophy Ontology Project (NEH Implementation Grant). 2009-2010.

[contact for complete list]

Selected Awards & Honors

- NSF Graduate Research Fellowship, 2011-2015.
- ACH Microgrant, 2013.
- Margaret Griffin Coffin Fellowship, 2012.
- HASTAC Scholar, 2011.
- Paul Fortier Prize in Digital Humanities, 2011.

[contact for complete list]

Selected Service

- Executive Council, *the Association for Computers and the Humanities*. 2016-2020.
- Editor, *Digital Literary Studies*. 2014-2016.
- Organizing Committee, *KeystoneDH*. 2016.
- Ambassador, *Places & Spaces: Mapping Science Exhibit*. 2014-ongoing.
- Committee on Publishing and Professional Excellence, *History of Science Society*. 2014.
- Steering Committee, *Digital History & Philosophy of Science Consortium*. 2013-2014.
- Steering Committee, *Catapult Center for Digital Humanities*. 2012-2014.

Service (Contd.)

- Guest Editor, *Journal of Digital Humanities* 2(1). 2012.
- Program Committee, *Networks and Network Analysis for the Humanities*. 2010.
- Organizer / Program Committee, *Republic of Letters Data and Studies Workshop*. 2009.

[contact for complete list]

Selected Teaching

- Digital Humanities Literacy Course, Carnegie Mellon University.
- Digital Humanities Graduate Seminar. Carnegie Mellon University.
- Data, Math, Visualization, and Interpretation of Networks. Digital Humanities Summer Institute.
- Information Visualization Graduate Course. Indiana University.
- Information Visualization Massively Open Online Course, Indiana University.

[contact for complete list]

Professional Affiliations, Past & Present

- Association for the Advancement of Artificial Intelligence (AAAI)
- Association for Computers and the Humanities / Association for Literary and Linguistic Computing (ACH/ALLC)
- American Folklore Society (AFS)
- American Society for Information Science & Technology (ASIS&T)
- American Philosophical Association (APA)
- American Historical Association (AHA)
- History of Science Society (HSS)
- International Big History Association (IBHA)
- International Network for Social Network Analysis (INSNA)
- Society for Digital Humanities (SDH-SEMI)

Selected Workshops & Demos

2016

- Digital Humanities: A Distant Read. University of Pittsburgh.
- Ethical Data Scraping. University of Pittsburgh.
- Introduction to Gephi. Lehigh University.
- Humanities Networks. Yale University.

2015

- Humanities Networks. University of Colorado, Boulder.
- Digital Scholarship Workshop: Networks & Visualizations. University of Florida.
- Networks & History. *American Historical Association*. New York City.

2014

- Historian's Macroscope. Helsinki Collegium for Advanced Studies.
- Networks: Basics, Theory, Data, and Visualization. Stanford, California.

2013

- Network Visualizations using Gephi. *Computer Technologies for the Historical Research of Intellectual Networks*. Jerusalem, Israel.
- Citation Analysis Tools: Sci2 and the Network Workbench. *Computer Technologies for the Historical Research of Intellectual Networks*. Jerusalem, Israel.
- Networks for Humanists using the Network Workbench. Indiana University.

2012

- Analyzing & Visualizing Correspondence Networks for Browsable Interfaces. Huygens ING.
- Network and Topical Analysis for the Humanities using NWB and Sci2. *Digital Humanities*. Stanford University.

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References available upon request.