Tim Weninger, Ph.D.

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Experience

Associate Professor	2019 – *present*
Director of Graduate Studies	2022 – *present*
Frank M. Freimann Collegiate Professor of Engineering	2020 – 2025
Assistant Professor	2013 – 2019
University of Notre Dame	
Department of Computer Science and Engineering	
Affiliate:	
Lucy Family Institute for Data and Society	2021 – *present*
Pulte Institute for Global Development	2019 – 2025
IBM Technology Ethics Center	2020 – *present*
Program Chair	2025 – *present*
Kroc Institute for International Peace Studies	2024 – *present*

Education

Ph.D.	University of Illinois Urbana-Champaign, Computer Science	2013
	Title: *Discovering Roles and Types from Hierarchical Information Networks*	
	Committee: Jiawei Han (chair), Kevin C.C. Chang, Saurabh Sinha, Bing Liu	
M.S.	Kansas State University, Computer Science	2008
B.S.	Kansas State University, Information Systems	2007

Honors and Awards

CSE Outstanding Faculty Teaching Award	2024
IEEE Senior Member	2024
Webby Anthem Award (Bronze)	2023
CSE Outstanding Faculty Teaching Award	2018
Inaugural Member - ACM Future of Computing Program	2017
Army Research Lab Young Investigator Award	2017
National Science Foundation CAREER Award	2017
National Academies Keck Futures Fellow	2014
TED Editors Pick of the Month	2014
Paper Selected as "Best Of" ACM/IEEE ASONAM	2014
UIUC DCS Outstanding Graduate Service Award	2012
National Science Foundation Graduate Research Fellowship	2010
National Defense Science Engineering Graduate Fellowship	2009

Certifications

United States Department of Energy: Q Clearance (*expired*)

Publications

Journal Papers

J42 Liang, P., @Ding, Y., Zhang, Y., Chen, J., Zheng, H., Wang, H., Zhang, Y., Meng, G., Weninger, T., Niemier, M., Hu, X.S., Chen, D.Z., "Cell Instance Segmentation: The Devil Is in the Boundaries" *IEEE Trans. on Medical Imaging*, 2025 (IF = 9.8).
   This paper was a long time effort with primarily Liang and Ding. Weninger assisted in the experimental design.

J41 Mede, N., Cologna, V., *et al.*, +Facciani, M., Weninger., T., *et al.* "Public communication about science in 68 countries: Global evidence on how people encounter and engage with information about science" *Science Communication*, 2025. (IF = 4.1)
   This paper was a global effort with the TISP Consortium. Weninger and Facciani contributed data and text about countries in South East Asia.

J40 @Ding, Y., Yankoski, M., Weninger., T. "Span-Oriented Information Extraction: a Unified Approach" *SIGKDD Explorations*, June 2025.
   Ding made the prime contribution of the unified framework. Yankoski and Weninger edited the paper.

J39 Cologna, V., *et al.*, +Facciani, M., Weninger., T., *et al.* "Extreme weather event attribution predicts climate policy support across the world" *Nature Climate Change*, 2025. (IF = 30.3)
   This paper was a global effort with the TISP Consortium. Weninger and Facciani contributed data and text about countries in South East Asia.

J38 @Radivojevic, K., *Adams, D.J., *Laszlo, G., *Kery, F., Weninger., T. "User migration in the Twitter diaspora" *EPJ Data Science*, 14(36) May 2025. (IF = 3.0)
   Weninger conceived of the idea. Adams, Laszlo, Kery, collected the data. Radivojevic and Weninger analyzed the data and wrote the paper.

J37 Theisen, W., +Yankoski, M., Hook, K., Verdeja, E., Scheirer, W., Weninger., T. "Visual Narratives and Political Instability: A Case Study of Visual Media Prior to the Russia-Ukraine Conflict" *Information, Communication & Society*, 2025. (IF = 4.2)
   Scheirer, Yankoski, and Weninger conceived of the idea. Theisen collected the data and executed the experimental analysis and figures. Verdeja and Hook contexualized the experimental findings. Final edits were performed by Weninger and Theisen.

J36 @Hoq, A., +Facciani, M., Weninger., T. "Feedback and education improve human detection of image manipulation on social media" *Harvard Misinformation Review*, 2025. (IF = 20.1)
   Weninger conceived of the idea and edited the paper. Hoq executed the experiment and wrote the first draft of the paper. Facciani helped with the statistical analysis and edited the paper.

J35 @Hibshman, J., @Hoq, A., Weninger, T. "SCHENO: Measuring Schema vs. Noise in Graphs" *IEEE Trans. on Knowledge and Data Engineering* (TKDE), 37(5) 2025. (IF = 8.9)
   Hibshman conceived of the idea, performed experiments and wrote most of the paper. Hoq helped with experiments. Weninger supervised the development and edited the paper.

J34 Mede, N., Cologna, V., *et al.*, +Facciani, M., Weninger., T., *et al.* "Trust in scientists and their role in society across 68 countries" *Nature Human Behavior*, 2025. (IF = 22.3)
   This paper was a global effort. Weninger and Facciani contributed data and text about countries in South East Asia.

J33 Mede, N., Cologna, V., *et al.*, +Facciani, M., Weninger., T., *et al.* "Perceptions of science, science communication, and climate change attitudes in 68 countries – the TISP dataset" *Nature Scientific Data*, 2024. (IF = 5.8)
   This paper was a global effort. Weninger and Facciani contributed data and text about countries in South East Asia.

J32 +Facciani, M., Apriliawati, D., Weninger., T. "Playing Gali Fakta inoculates Indonesian participants against false information" *Harvard Misinformation Review*, 2024. (IF = 20.1)
Weninger conceived of the idea and edited the paper. Facciani and Apriliawati conducted the evaluation methodology. Facciani was the primary author of the paper.

J31 +Facciani, M., Idris, I. K., Weninger, T. "Comparison of News Literacy, Media Consumption, and Trust between Indonesia and Malaysia". Asian Journal of Media and Communication, 7(2). 2023. (IF=2.074)
Weninger conceived of the idea and edited the paper. Facciani and Idris conducted the evaluation methodology. Facciani was the primary author of the paper.

J30 @Hibshman, J., Weninger, T. "Inherent Limits on Topology-Based Link Prediction" Transactions in Machine Learning Research. 2835-8856. 2023.
Hibshman conceived of the idea and primarily wrote the paper. Weninger planned the evaluation methodology and edited the paper.

J29 @Ford, T., @Krohn, R., Weninger, T. "Competition Dynamics in the Meme Ecosystem" ACM Transactions on Social Computing 6(3-4). 2023 (IF=1.6)
Ford and Weninger planned the study. Krohn helped with data analysis. All authors wrote the paper.

J28 @Ford, T., +Yankoski, M., +Facciani, M., Weninger, T. "Online Media Literacy Intervention in Indonesia Reduces Misinformation Sharing Intention" Journal of Media Literacy Education 15(2). 2023 (IF=1.69)
Ford, Yankoski, and Weninger planned the study. Facciani performed the analysis. All authors wrote the paper.

J27 @Botzer, Weninger, T. "Entity Graphs for Exploring Online Discourse" Knowledge and Information Systems. vol. 65, pp 3591-3609. 2023 (IF=2.531)
Botzer designed the model and experiments. Botzer executed the experiments. Weninger and Botzer both wrote the paper.

J26 @Liang, P., Zhang, Y., @Ding, Y., @Chen, J., Madukoma, C.S., Weninger, T., Shrout, J.D., Chen, D.Z. "H-EMD: A Hierarchical Earth Mover's Distance Method for Instance Segmentation." IEEE Trans. on Medical Imaging 41(10), pp 2582-2597, October. 2022 (IF=10.048)
Liang created the model with assistance from Zhang, Ding, Chen, and Madukoma. Weninger and Shrout advised co-authors in the experimental design. Chen advised the primary author in the model and experimental design.

J25 @Botzer, N., Gu, S., and Weninger, T. "Analysis of Moral Judgement on Reddit." IEEE Trans. on Computational Social Sciences. 10(3), pp 947-957, June 2023 (IF=5.36)
Botzer and Weninger formalized the idea of this work. Gu helped create the classification system. Botzer completed the experimental analysis. Weninger and Botzer co-wrote the manuscript.

J24 @Thomas, P.B., Hogan-Taylor, C., +Yankoski, M. and Weninger, T. "Pilot study suggests online media literacy programming reduces belief in false news in Indonesia." First Monday. 27(1), 2022 (IF=1.5)
Thomas and Weninger formalized the idea of this work. Hogan-Taylor and Yankoski assisted with experimental analysis and writing.

J23 @Sikdar, S., @Gonzalez, D., @Ford, T., Weninger, T. "The Infinity Mirror Test for Graph Models." IEEE Trans. on Knowledge Discovery and Engineering. 35(4), 2022 (IF=6.977)
Sikdar and Weninger formalized the idea of this work. Gonzalez and Ford assisted with experiments. Weninger edited the manuscript.

J22 +Yankoski, M., Scheirer, W. J., Weninger, T. "Meme Warfare: AI countermeasures to disinformation should focus on popular, not perfect, fakes." Bulletin of the Atomic Scientists. 77(3), May 2021 (IF=1.9)
This is a commentary article primarily composed by Yankoski and heavily edited by Scheirer and Weninger

J21 @Thomas, P.B., *Riehm, D., Glenski, M., Weninger, T. "Behavior Change in Response to Subreddit Bans and External Events" IEEE Trans. on Computational Social Sciences. 8(4), pp 809-818, March. 2021 (IF=5.311)
Thomas, Glenski and Weninger discussed the idea. Riehm and Thomas performed the experiments. Thomas and Weninger drafted the paper. All authors edited the final draft.

J20 @Botzer, N., @Ding, Y., Weninger, T. "Reddit Entity Linking Dataset" Information Processing and Management. 58(3), Jan. 2021 (IF=4.787)

Mr. Botzer and Mr. Ding collected the data. Mr. Botzer primarily executed the experiments. We all edited the paper.

J19 Scheirer, W. J., Weninger, T., +Yankoski, M. "An AI early warning system to monitor online disinformation, stop violence, and protect elections" Bulletin of the Atomic Scientists. 76(2), March 2020 (IF=1.368)

All three authors contributed to the writing of this work.

J18 @Krohn, R., Weninger, T. "Library Adoption in Public Software Repositories" Journal of Big Data. 6(36), May 2019 (IF=8.808)

Ms. Krohn collected data and performed most of the experiments. Ms. Krohn and I performed the experimental analysis and wrote the paper together.

J17 @Glenski, M., Volkova, S., Weninger, T. "Propagation from Deceptive News Sources" IEEE Trans. on Computational Social Sciences. 5(4), December 2018 (IF=2.65)

Ms. Glenski and Ms. Volkova collected data and concived of the experiment. Ms. Glenski and I performed the experimental analysis and wrote the paper.

J16 Hungerman, D., Rinz, K., Weninger, T. and Yoon, C. "Political Campaigns and Church Contributions" Journal of Economic Behavior & Organization. 155, November 2018 (IF=1.323)

Mr. Hungerman and I co-developed the data collection system. Mr. Rinz, Mr. Yoon and Mr. Hungerman performed the economics analysis. We all edited the paper.

J15 @Glenski, M., Stoddard, G., Resnick, P., Weninger, T. "GuessTheKarma: A Game to Assess Social Rating Systems", Proc. of ACM Conference on Computer-Supported Cooperative Work and Social Computing (CSCW), 2018 (IF=conference is transitioning to journal; 25% acceptance rate)

Mr. Stoddard and Ms. Glenski developed and executed the experiment concept with the guidance of Mr. Resnick and myself. Ms. Glenski, Mr. Resnick, and I wrote and edited the paper.

BC1 Hungerman, D., Rinz, K., Weninger, T. and Yoon, C. "Religious Leadership, Religious Language, and Religious Giving: A Study of Church Bulletins" Handbook chapter for Advances in the Economics of Religion, Palgrave, 2018.

Mr. Hungerman and I co-developed the data collection system. Mr. Rinz, Mr. Yoon and Mr. Hungerman performed the economics analysis. We all edited the chapter.

J14 @Aguinaga, S., Chiang, D., Weninger, T. "Hyperedge Replacement Graph Grammars for Exact Graph Generation" IEEE Trans. on Pattern Analysis and Machine Intelligence. 41(3), 2018. (IF=11.383)

Mr. Chiang and I co-created the algorithm. Mr. Aguinaga performed the experiments. The authors contributed equally to the writing.

J13 Zhao, Z., Yang, Q., Lu, H., Weninger, T., Cai, D., He, X., Zhuang, Y. "Community-based Movie Recommendation via Multimodal Network Learning" IEEE Trans. on Multimedia, 20(2), 2018. (IF=3.977)

This project was conceived and performed primarily by the authors at Zhejiang University. I helped craft the narrative and write the paper.

J12 @Glenski, T., @Pennycuff, C., Weninger, T. "Consumers and Curators: Browsing and Voting Patterns on Reddit" IEEE Trans. on Computational Social Sciences, 4(4), 2017. (IF=2.65)

I conceived of the project. Pennycuff and Glenski wrote the data collection software. Glenski performed the data analysis. Glenski and I co-wrote the paper.

J11 @Shi, B., Yang, L., Weninger, T. "Forward Backward Similarity Search in Knowledge Networks" Knowledge-Based Systems, 119(1), 2017. (IF=3.325)

Shi and Yang conceived of the project and wrote 75% of the paper. I advised on the experiments and wrote 25% of the paper.

J10 @Pennycuff, C., Weninger, T. "Striations in PageRank-Ordered Matrices" Social Network Analysis and Mining, 6(1), 1-17, 2017. (IF=2.3)

Mr. Pennycuff discovered the striations phenomena and wrote 50% of the paper. I conceived of the project, performed most of the experiments and and wrote 50% of the text.

J9 @Glenski, M., Weninger, T. "Rating Effects on Social News Posts and Comments" ACM Transactions on Intelligent Systems and Technology, 8(6), 78, 2017. (IF=3.19)

Ms. Glenski performed the experiments and data analysis and wrote 25% of the paper. I conceived of the project, and wrote the majority of the text.

J8 @Shi, B., Weninger, T. "Discriminative Predicate Path Mining for Fact Checking in Knowledge Graphs" Knowledge-Based Systems. 2016. (IF=3.325)

Mr. Shi conceived of the idea. Mr Shi designed and completed the experiments. Mr Shi wrote 25% of the paper, I wrote the remainder.

J7 @Shi, B., Weninger, T. "Scalable Models for Computing Hierarchies in Information Networks" Knowledge and Information Systems, January, 2016. (IF=2.64)

Mr. Shi implemented a scalable version of a conference paper from 2010. I conceived of the idea, Mr Shi designed and completed the experiments. Mr Shi wrote 25% of the paper, I wrote the remainder.

J6 Weninger, T., *Palacios, R., Crescenzi, V., Gottron, T., Merialdo, P. "Web Content Extraction – a Meta-Analysis of its Past and Thoughts on its Future" ACM SIGKDD Explorations, 7(2):6

I organized this paper with the top subject matter experts. I wrote most of the article; Mr. Palacios, an REU student, performed the experiments and the others contributed discussion, opinions, source code and some text.

J5 @McCune, R.R., Weninger, T., Madey, G. "Thinking Like a Vertex: a Survey of Vertex-Centric Frameworks for Distributed Graph Processing" ACM Computing Surveys, 48(2):25, November 2015. (IF=4.04)

Mr. McCune is co-advised by myself and Mr. Madey. I conceived of the idea to write a survey paper on this subject. Mr. McCune wrote 80% of the paper, I contributed 15% of the paper and Mr. Madey contributed 5%.

J4 Weninger, T. "An Exploration of Submissions and Discussions in Social News - Mining Collective Intelligence of Reddit" Social Network Analysis and Mining. 4:173, 2014. (IF=2.3)

I conceived the idea, designed the study, and wrote the paper.

J3 Weninger, T., *Johnston, T.J., Han. J. "The Parallel Path Framework for Entity Discovery on the Web." ACM Transactions on the Web (TWeb), 7(3):16, 2013. (IF=1.595)

I conceived the idea, designed the study, performed 50% of the experiments with the help of an undergraduate student, Mr. Johnston, and wrote the paper.

J2 Huang, J., Sun, H., Liu, Y., Song, Q., Weninger, T. "Towards Online Multiresolution Community Detection in Large-Scale Networks." PLoS ONE 6(8): e23829, 2011 (IF=4.092)

Mr Huang conceived of the idea in consultation with myself. His colleagues Mr. Sun, Mr. Liu and Mr. Song implemented the system and completed the experiments. I helped edit the paper.

J1 Weninger, T., Fumarola, F., Barber, R., Han, J., Malerba, D. "Unexpected Results in List Extraction on the Web." SIGKDD Explorations. 12:2, ACM, 2010.

I conceived of the idea, and designed the study in consultation with Dr. Malerba and Dr Han. Dr. Fumarola and Mr. Barber executed the experiments. I wrote the paper.

Conference Papers

W13 Almutairi, M., Chiang, C., Guo, H., Banerjee, N., @Milkowski, M., Nguyen, D., Yankoski, M., Weninger, T., Volkova, S., Ford, T.W., Gomez-Zara, D. "Enabling User-Created Multi-Agent Simulations: Interactive and Customizable 2D Environments to Study Team Dynamics with LLM Agents" Scaling Environments for Agents (SEA) Workshop at NeurIPS. San Diego, CA. Dec 2-7, 2025.

C77 @Poudel, A., @Milkowski, M., Weninger, T. "The Power of Framing: How News Headlines Guide Search Behavior". in Proceedings of the *Conference on Empirical Methods in Natural Language Processing* (EMNLP), Suzhou, China, November 2025.

C76 Almutairi, M., Chiang, C., Guo, H. (T.), Belcher, M., Banerjee, N., Milkowski, M., Volkova, S., Nguyen, D., Weninger, T., Yankoski, M., Ford, T., Gomez-Zara, D., "VIRT-LAB: An AI-Powered System for Flexible, Customizable, and Large-scale Team Simulations", in Proceedings of *ACM Symposium on User Interface Software and Technology* (UIST), Busan, Korea, 2025.

C75 @Poudel, A., Weninger, T., "Social and Political Framing in Search Engine Results", in Proceedings of *AAAI Conference on Web and Social Media* (ICWSM), Los Angeles, California, June, 2026.

C74 @Hughes, E.M., Weninger, T., "Echo Chambers and Information Brokers on Truth Social: A Study of Network Dynamics and Political Discourse", in Proceedings of *SIGCHI Conference on Computer-Supported Cooperative Work & Social Computing* (CSCW), Bergen, Norway, October 18–22, 2025.

C73 @Poudel, A., @Ding, Y., Weninger, T., Pfeiffer, J., "Digital Gatekeepers: Googles Role in Curating Hashtags and Subreddits", in Proceedings of *Association for Computational Linguistics* (ACL), Vienna, Austria, July 26–August 1, 2025.

C72 Lahiri, S., Pai, S., Weninger, T., Bhattacharya, S. "Learning from Litigation: Graphs for Retrieval and Reasoning in eDiscovery", in Proceedings of *Association for Computational Linguistics* (ACL), Vienna, Austria, July 26–August 1, 2025.

C71 *Gerard, P., Theisen, W., Weninger, T., Lerman, K. "Fear and Loathing on the Frontline: Decoding the Language of Othering by Russia-Ukraine War Bloggers", in Proceedings of *AAAI Conference on Web and Social Media* (ICWSM), Copenaghen, Denmark, June 23–26, 2025.

C70 Svitlana Volkova, Daniel Nguyen, Louis Penafiel, Hsien-Te Kao, Myke Cohen, Grant Engberson, Laura Cassani, Trenton Ford, Michael Yankoski, Mohammed Almutairi, Charles Chiang, Nandini Banerjee, *Matthew Belcher, Tim Weninger, Diego Gomez-Zara, Summer Rebensky. "VirtLab: Augmented Intelligence for Training and Evaluating Human-AI Team Dynamics through Digital Twin Interactions" *HCI International*. Gothenburg, Sweden, June 22–27 2025.

C69 Krishanu Das Baksi, Elijah Soba, John J. Higgins, Ravi Saini, Jaden Wood, Jane Cook, Jack Scott, Nirmala Pudota, Tim Weninger, Edward Bowen, Sanmitra Bhattacharya. "MedCodER: A Generative AI Assistant for Medical Coding", *Annual Conference of the Nations of the Americas Chapter of the Association for Computational Linguistics* (NAACL), Albuquerque, New Mexico, USA. April 29 – May 4, 2025.

C68 @Ding, Y., +Facciani, M., @Poudel, A., Joyce, E., Aguinaga, S., Veeramani, B., Bhattacharya, S., Weninger, T. "Citations and Trust in LLM Generated Answers", in Proceedings of *AAAI Conference on Artificial Intelligence* (AAAI), Philadelphia, Pennsylvania, USA, February 25 – March 4, 2025.

C67 *Gerard, P., Penafiel, L., Volkova, S., Lerman, K., Weninger, T. "Modeling Information Narrative Evolution on Telegram during the Russia-Ukraine War", in Proceedings of *AAAI Conference on Web and Social Media* (ICWSM), Copenaghen, Denmark, June 23–26, 2025.

C66 Koesel, K., Reinoso, P, @Hoq, A., Weninger, T. "The Propagandist's Global Playbook," in Proceedings of *American Political Science Association*, Philadelphia, PA September 5–8, 2024.

C65 @Ding, Y., Weninger, T. "ChatEL: Entity Linking with Chatbots" Proceedings of *International Conference on Computational Linguistics* (COLING), pg: 3086-3097. Turin, Italy May 20–25, 2024.

C64 @Poudel, A., Weninger, T. "Navigating the Post-API Dilemma" Proceedings of *International Conference on World Wide Web* (TheWebConf), Singapore, May 13–17, 2024.

C63 @Botzer, N., Vazquez, D., Weninger, T., Laradji, I. "TK-KNN: A Balanced Distance-Based Pseudo Labeling Approach for Semi-Supervised Intent Classification" Findings of *Conference on Empirical Methods in Natural Language Processing* (EMNLP), Singapore, December 6–10, 2023.

C62 *Gerard, P., @Botzer, N., Weninger, T., "Truth Social Dataset" *International Conference on the Web and Social Media* (ICWSM), Cyprus, June 4–8, 2023.

W12 @Botzer, N., Horawalavithana, S., Weninger, T., Volkova, S. "Lessons from Developing Multimodal Models with Code and Developer Interactions" *I Can't Believe It's Not Better Workshop at Neural Information Processing Systems* (ICBINB@NeurIPS), New Orleans, November 28-December 9, 2022.

C61 Theisen, W., @Gonzalez Cedre, D., Carmichael, Z., Moreira, D., Weninger, T., Scheirer, W. "Motif Mining: Finding and Summarizing Remixed Image Content" *Winter Conference on Applications of Computer Vision* (WACV), Waikoloa, Hawaii, January 2023.

C60 @Ding, Y., Liang, Y., Zalmout, N., Li, X., Grant, C, Weninger, T. "Span Candidate Generation and Verification for Attribute Value Extraction" *Empirical Methods for Natural Language Processing* (EMNLP), Abu Dhabi, December 2022.

W11 @Ding, Y., @Botzer, N., Weninger, T. "Posthoc Verification and the Fallibility of the Ground Truth", in *NAACL Workshop on Dynamic Adversarial Data Collection*, June 2022.

C59 @Krohn, Rachel, Weninger, T. "Subreddit Links Drive Community Creation and User Engagement on Reddit", in *Proceedings of the International Conference on Web and Social Media* (ICWSM), June 2022.

C58 @Sikdar, Satyaki, Shah, Neil, Weninger, T. "Attributed Graph Modeling with Vertex Replacement Grammars" in *Proceedings of the International Conference on Web Search and Data Mining* (WSDM), March 2022.

C57 @Ford, T.W., +Yankoski, M, @Theisen, T., *Henry, T., *Khashman, F., @Dearstyne, K., @Bilo Thomas, P., Weninger, T. "MEWS: Real-time Social Media Manipulation Detection and Analysis" in *Advances in Neural Information Processing Systems* (NeurIPS), December 2021.

C56 @Ding, Y., @Botzer, N, Weninger, T. "HetSeq: Distributed GPU Training on Heterogeneous Infrastructure" in *Proc. of Association for the Advancement of Artificial Intelligence (AAAI) Innovative Application of Artificial Intelligence*, Feb 2021.

C55 @Hibshman, J., @Gonzalez, D, @Sikdar, S., Weninger, T, Scheirer, W.J. "Joint Subgraph-to-Subgraph Transitions - Generalizing Triadic Closure for Powerful and Interpretable Graph Modeling." in *Proc. of the International Conference on Web Search and Data Mining* (WSDM), March 2021.

C54 Theisen, W., Brogan, J., @Thomas, P., Moreira, D, *Phoa, P., Weninger, T, Scheirer, W.J. "Automatic Discovery of Political Meme Genres with Diverse Appearances." in *Proc. of the International AAAI Conference on Web and Social Media* (ICWSM), January 2021.

C53 Zeng, Q., Yu, W., Yu, M., Jiang, M., Weninger, T. "TriTrain: Automatic Pre-fine Tuning between Pre-training and Fine-tune Training for SciNER." in *Proc. of Findings in Empirical Methods in Natural Language Processing* (Findings in EMNLP), November 2020.

C52 @Thomas, P., Weninger, T. "Deploying a Media Literacy Intervention – a Case Study in Indonesia" in *Proc. of International Conference for Truth and Trust Online*, October 2020.

C51 @Shi, B., Yang, J., Weninger, T., How, J., and He, Q. "Representation Learning in Heterogeneous Professional Social Networks with Ambiguous Social Connections" in *Prof. of International Conference on Big Data* (BigData), December 2019.

C50 @Hibshman, J., @Sikdar S. and Weninger T. "Towards Interpretable Graph Modeling with Vertex Replacement Grammars" in *Prof. of International Conference on Big Data* (BigData), December 2019.

C49 @Krohn, R. and Weninger T. "Modeling Online Comment Threads from their Start" in *Prof. of International Conference on Big Data* (BigData), December 2019.

C48 @Ding, Y., Wang, D., Weninger, T., and Jiang, M. "Preserving Composition and Crystal Structures of Chemical Compounds in Atomic Embedding" in *Prof. of International Conference on Big Data* (BigData) (Poster), December 2019.

C47 @Satyaki, S., @Hibshman, J., Weninger. T "Modeling graphs with Vertex Replacement Grammars" in *Proc. of International Conference on Data Mining* (ICDM), Burlington, VT, November 2019. (9.08% acceptance rate)

C46 @Satyaki, S., @Hibshman, J., Weninger. T "Modeling graphs with Vertex Replacement Grammars" in *Proc. of International Conference on Network Science* (NetSci), Burlington, VT, May 2019. (Poster)

W10 @Satyaki, S., @Hibshman, J., Weninger. T "Modeling graphs with Vertex Replacement Grammars" in *SIAM Workshop on Network Science*, May 2019. (Extended Abstract)

C45 @Bilo Thomas, P., @Krohn, R., Weninger. T. "Dynamics of Team Library Adoptions: An Exploration of GitHub Commit Logs" in *IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining* (ASONAM), September 2019. (14% acceptance rate)

C44 Blythe, J., Bollenbacher, J., Huang, D. Hui, P.M., Krohn, R., Pacheco, D., Muric, G., Sapienza, A., Tregubov, A., Ahn, Y.Y., Flammini, A., Lerman, K., Menczer, F., Weninger, T., Ferrara, E. "Massive Multi-Agent Data-Driven Simulations of the GitHub Ecosystem." in *International Conference on Practical Applications of Agents, Multi-Agent Systems* (PAAMS), 2019.

C43 @Glenski, M., Volkova, S., Weninger, T. "How Humans versus Bots React to Deceptive and Trusted News Sources: A Case Study of Active Users" in *IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining* (ASONAM), September 2018. (16% acceptance rate)

C42 @Glenski, M., Volkova, S., Weninger, T. "How Humans versus Bots React to Deceptive and Trusted News Sources: A Case Study of Active Users" in *IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining* (ASONAM), September 2018. (16% acceptance rate)

W9 *Wang, X., @Aguinaga, S., Weninger, T., Chiang, D. "Growing Better Graphs With Latent-Variable Probabilistic Graph Grammars" in *ACM International Conference on Knowledge Discovery in Data Mining (SIGKDD) Workshop on Mining and Learning with Graphs* (MLG), London, United Kingdom, August, 2018.

C41 @Glenski, C., Volkova, S., Weninger, T. "Identifying and Understanding User Reactions to Deceptive and Trusted Social News Sources" in *Proc. of Association of Computational Linguistics* (ACL), Melbourne, August 2018 (23% acceptance rate).

C40 @Pennycuff, C., @Sikdar, S., *Vajiac, C., Chiang, D., Weninger, T. "Synchronous Hyperedge Replacement Graph Grammars" in *Proc. of International Conference on Graph Transformation* (ICGT), Toulouse, France. 2018.

C39 @Shi, B., Weninger, T. "Visualizing the Flow of Discourse with a Concept Ontology" in *Proc. of Conference on the World Wide Web* (WWW), Lyon, France. 2018. (poster track, 35% acceptance rate)

C38 @Shi, B., Weninger, T. "Open-World Knowledge Graph Completion" in *Proc. of Association for the Advancement of Artificial Intelligence* (AAAI), New Orleans, LA, February, 2018. (25% acceptance rate)

C37 @Glenski, M., Weninger, T. "Predicting User-Interactions on Reddit" in *IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining* (ASONAM), Sydney, August, 2017. (17% acceptance rate)

W8 @Pennycuff, C., @Aguinaga, S., Weninger, T. "A Temporal Tree Decomposition for Generating Temporal Graphs" *ACM International Conference on Knowledge Discovery in Data Mining (SIGKDD) Workshop on Mining and Learning with Graphs* (MLG), Halifax, Nova Scotia, August, 2017.

C36 @Pennycuff, C., Weninger, T. "Complex Striations in Adjacency Matrices" in *Proc. of International Conference for Network Science* (NetSci17), Indianapolis, IN, June 21-23, 2017. (Poster)

C35 @Shi, B., Weninger, T. "ProjE: Embedding Projection for Knowledge Graph Completion" in *Proc. of Association for the Advancement of Artificial Intelligence*, San Francisco, CA, Feb. 2017. (24.6% acceptance rate)

C34 @Aguinaga, S., *Palacios, R., Chiang, D., Weninger, T. "Growing Graphs with Hyperedge Replacement Graph Grammars" in *Proc. of International Conference on Information and Knowledge Management* (CIKM), Indianapolis, IN, Oct. 2016. (12% acceptance rate)

W7 @Aguinaga, S., Weninger, T. "The Infinity Mirror Test for Analyzing the Robustness of Graph Generators" in *ACM International Conference on Knowledge Discovery in Data Mining (SIGKDD) Workshop on Mining and Learning with Graphs* (MLG), San Francisco, CA, August 2016.

C33 Osborne, G., Weninger, T. "Ozy: A General Orchestration Container"in *Proc. of International Conference on Web Services* (ICWS), San Francisco, CA, Jun. 2016. (26% acceptance rate)

C32 @Shi, B., Weninger, T. "Fact Checking in Heterogeneous Information Networks"in *Proc. of International Conference on the World Wide Web* (WWW), Montreal, CA, Mar. 2016. (16% acceptance rate)

C31 @Aguinaga, S., *Nambiar, A., *Liu, Z., Weninger, T. "Concept Hierarchies and Human Navigation"in *Proc. of IEEE International Conference BigData* (BigData), Santa Clara, CA, Oct. 2015. (17% acceptance rate)

W6 @Pennycuff, C., Weninger. T. "Forward Backward Similarity Search in Information Networks", in *Proc. of ACM International Conference on Knowledge Discovery in Data Mining (SIGKDD) Workshop on High Performance Graph Mining*, Sydney, Australia, Aug. 10, 2015.

C30 @Glenski, M., *Johnston. T.J., Weninger. T. "Random Voting Effects in Social-Digital Spaces A case study of Reddit Post Submissions" in *Proc of ACM International Conference on Hypertext and Social Media* (HT), METU, Cyprus, Sept 1-4, 2015. (37% acceptance rate)

C29 Weninger, T. "Complex Striations in Adjacency Matrices" in *Proc. of International Conference for Network Science* (NetSci15), Zaragoza, Spain, June 3-5, 2015. (Poster)

W4 @Shi, B., Weninger, T. "Mining Interesting Meta-Paths from Complex Heterogeneous Information Networks" in *Proc of IEEE International Conference on Data Mining Workshop on Designing a Market of Data* (ICDM MoDAT14), Shenzhen, China, December 14-17, 2014.

C28 McBurney, P.W., Liu, C., McMillan, C., Weninger, T. "Improving Topic Model Source Code Summarization." in *Proc. of International Conference on Program Comprehension* (ICPC), Hyderabad, India, June 2-3 2014.

W3 Weninger, T., @Pennycuff, C. "On Typed-Paths in Multi-Typed Information Networks." in *Proc. of the 2013 Workshop on Information Networks* (WIN). October 2013, New York City, NY.

C27 Weninger, T., Zhu, X.A., Han, J. "An Exploration of Discussion Threads in Social News Sites: A Case Study of the Reddit Community." in *Proc. of the 2013 IEEE/ACM International Conference on Social Networks Analysis and Mining* (ASONAM), August 2013, Niagara Falls, Canada (13% acceptance rate)

C26 Weninger, T., Han, J. "Information Network Analysis and Extraction on the World Wide Web." in *Proc. of 2013 International Conference on the World Wide Web* (WWW), Rio de Janeiro, Brazil, May 2013. *Tutorial Paper.*

C25 Tao, F., Yu, X., Lei, K.H., Brova, G., Cheng, X., Han, J., Kanade, R., Sun, Y., Wang, C., Wang, L., Weninger, T. "Research-Insight: Providing Insight on Research by Publication Network Analysis." in *Proc. of the International Conference on Management of data* (SIGMOD), New York, NY. *Demo Paper* (36.8% acceptance rate)

C24 Weninger, T., Han, J. "Exploring Structure and Content on the Web: Extraction and Integration of the Semi-Structured Web." in *Proc. of 2012 International Conference on Web Search and Data Mining* (WSDM), Rome, Italy, Feb. 2013. *Tutorial Paper.*

C23 Weninger, T., Bisk, Y., Han, J. "Document-Topic Hierarchies from Document Graphs." in *Proc. of 2012 International Conference on Information and Knowledge Management* (CIKM), Maui, Hawaii, Oct. 2012. (13.4% acceptance ratio)

C22 Weninger, T., Zhai, C.X., Han, J. "Building Enriched Web Page Representations Using Link Paths." in *Proc. 2012 ACM Conference on Hypertext and Social Media* (HT). Milwaukee, WI, June 2012. (27.5% acceptance rate)

C21 Barsky, M., Kim, S., Weninger, T., Han, J. "Mining Flipping Correlations from Transactional Databases." in *Proc. 2012 International Conference on Very Large Data Bases* (VLDB) 5(4):370-381, 2011. (18.1% acceptance rate)

C20 Kim, S., Kim, H., Weninger, T., Han, J., Kim, H.D. "Authorship Classification: A Discriminative Syntactic Tree Mining Approach." in *Proc. of 2011 International ACM SIGIR Conference on Research & Development in Information Retrieval* (SIGIR), Beijing, China, Jul. 2011. (19.9% acceptance rate)

C19 Weninger, T., Danilevsky, M., Fumarola, F., Hailpern, J., Han, J., Johnston, T.J., Kallumadi, S., Kim, H., Li, Z., McCloskey, D., Sun, Y., TeGrotenhuis, N.E., Wang, C., Yu, X. "WinaCS: Construction and Analysis of Web-Based Computer Science Information Networks" in *Prof. of International Conference on Modelling of Data* (SIGMOD), Athens, Greece, June. 2011. *Demo Paper.* (35% acceptance rate)

C18 Fumarola, F., Weninger, T., Barber, R., Malerba, D., Han, J. "Extracting General Lists from Web Documents: A Hybrid Approach" in *Proc. of International Conference on Industrial, Eng. and Other Applications of Applied Intel. Sys.* (IEA/AIE), Syracuse, New York, USA, Mar. 2011. (28.3% acceptance rate)

C17 Weninger, T., Fumarola, F., Barber, R., Lin, C.X., Han, J., Malerba D. "Growing Parallel Paths for Entity-Page Discovery" in *Proc. of International World Wide Web Conference* (WWW), Hyderabad, India, Mar. 2011. (16.9% acceptance rate)

C16 Fumarola, F., Weninger, T., Barber, R., Malerba, D., Han, J. "HyLiEn: A Hybrid Approach to General List Extraction on the Web" in *Proc. of International World Wide Web Conference* (WWW), Hyderabad, India, Mar. 2011. (16.9% acceptance rate)

C15 Weninger, T., Fumarola, F., Han, J., Malerba, D. "Mapping Web Pages to Database Records via Link Paths" in *Proc. 2010 ACM International Conference on Information and Knowledge Management* (CIKM), Toronto, Canada, Oct. 2010. (17.9% acceptance rate)

C14 Kim, H., Kim, S., Weninger, T., Han, J., Abdelzaher, T. "NDPMine: Efficiently Mining Discriminative Numerical Features for Pattern-Based Classification" in *Proc. on Principles and Practice of Knowledge Discovery in Databases* (PKDD), Barcelona, Spain, Sept. 2010. (16.1% acceptance rate)

C13 Weninger, T., Ramachandran, S., Greene, D., Hart, J., Kancherlapalli, A., Hsu, W.H., Han,J. "Speech-Assisted Radiology System for Retrieval, Reporting and Annotation" in *Proc of ACM SIGKDD Conf. on Knowledge Discovery and Data Mining* (KDD), Washington DC, Jul. 2010. *Demo Paper*

W2 Kim, S., Kim, H., Weninger, T., Han, J. "Authorship Classification: A Syntactic Tree Mining Approach" in *Proc. of SIGKDD workshop on Useful Patterns* (UP'10), Washington DC, Jul. 2010.

C12 Yin, Z., Gupta, M., Weninger, T., Han, J. "A Unified Framework for Link Recommendation Using Random Walks" in *Proc. of International Conference on Advances in Soc. Net. Analysis and Mining* (ASONAM), Odense, Denmark, Aug. 2010. (16% acceptance rate)

C11 Weninger, T., Hsu, W.H., Han, J. "CETR - Content Extraction via Tag Ratios" in *Proc. of International World Wide Web Conference* (WWW), Raleigh, NC, Apr. 2010. (14% acceptance rate)

C10 Yin, Z., Gupta, M., Weninger, T., Han, J. "LINKREC: A Unified Framework for Link Recommendation with User Attributes and Graph Structure" *Proc. of International World Wide Web Conference* (WWW), Raleigh, NC, Apr. 2010.

C9 Lin, C.X., Zhao, B., Weninger, T., Han, J., Liu, B. "Entity Relation Discovery from WebTables and Links" *Proc. of International World Wide Web Conference* (WWW), Raleigh, NC, Apr. 2010.

C8 Weninger, T., Greene, D., Hart, J., Hsu, W.H., Ramachandran, S. "Speech-Assisted Radiology System for Retrieval, Reporting and Annotation" in *Proc. of IEEE Conf. on Computer-based Med. Sys.* (CBMS), Albuquerque, NM, Aug. 2009.

C7 Weninger, T., Hsu, W.H., Xia, J., Aljandal, W. "An Evolutionary Approach to Constructive Induction for Link Discovery" in *Proc. of International Genetic and Evolutionary Computation Conference* (GECCO), Montral, Canada, Jul. 2009. (25.8% acceptance rate)

C6 Crow, J., Weninger, T. "Creating interactive and dynamic choice experiments" in *Proc of Conference of the Soc. of Judgment and Decision Making*, Chicago, Illinois. Nov. 2008.

C5 Al-Jandal, W., Hsu, W.H., Bahirwani, V., Caragea, D., Weninger, T. "Validation-Based Normalization and Selection of Interestingness Measures for Association Rules" in *Proc. of International Conference on Artificial Neural Networks in Engineering* (ANNIE). St. Louis, MO, Nov. 2008.

C4 Hsu, W.H., Weninger, T., Paradesi, M.S.R. "Predicting Links and Link Change in Friends Networks Supervised Time Series Learning with Imbalanced Data", in *Proc. of International Conference on Artificial Neural Networks in Engineering* (ANNIE). St. Louis, MO, Nov. 2008.

C3 Weninger, T., Hsu, W.H. "Web Content Extraction Through Histogram Clustering", in *Proc. of International Conference on Artificial Neural Networks in Engineering* (ANNIE). St. Louis, MO, Nov. 2008.

W1 Weninger, T., Hsu, W.H. "Text Extraction from the Web via Text-To-Tag Ratio" in *Proc. of Workshop on Text Informational Retrieval at DEXA* (TIR), Turin, Italy, Sept. 2008.

C2 Hsu, W.H., Lancaster, J., Paradesi, M.S.R., Weninger, T. "Structural Link Analysis from User Profiles and Friends Networks: A Feature Construction Approach" in *Proc. of International Conference on Weblogs and Social Media* (ICWSM), Boulder, CO, Mar. 2007. (20% acceptance rate)

C1 Hsu, W.H., King, A., Paradesi, M.S.R., Pydimarri, T., Weninger, T. "Collaborative And Structural Recommendation Of Friends Using Weblog-Based Social Network Analysis" in *Proc of AAAI Conf. on Comp. App. to Analyzing Weblogs* (AAAI-CAAW), Stanford, CA, Mar. 2006.

PUBLICATIONS UNDER REVIEW

4 journal papers and 11 conference papers under review as of May 30, 2025.

Private Funding

Private One-time Gift: Study of social media
    March 1, 2018 - ongoing
    Sean Cocchia
    Amount: $125,000

Private Gift: Study of propaganda
    January 1, 2025 - August 15, 2026
    Gale Ann Hurd
    Amount: $120,000 (recurring donation expected)

Private One-time Gift: Artificial intelligence research
    August 15, 2024 - January 15, 2026
    Davis
    Amount: $50,000

Grants and Sponsored Programs

"ND-IBM Technology Ethics Program Chair"
    July 1, 2025 - June 30, 2028
    Funding Vehicle: Notre Dame Internal Funding via IBM Technology Ethics Center
    Amount: $300,000
    Role: Single-P.I.

"Undermining Democracy in Online Spaces"
    September 1, 2024 - October 31, 2026
    Funding Vehicle: Notre Dame Internal Funding
    Amount: $200,000
    Role: Co-P.I.

"Civic Relations in Early Modern Lviv: A Digital Reconstruction of Social Networks"
    February 1, 2025 - January 31, 2026
    Funding Vehicle: Notre Dame Nanovic Institute Internal Funding
    Amount: $17,500
    Role: Lead-P.I.

"Kremlin Influence Operations in Russian Online Spaces"
    September 1, 2024 - August 31, 2026
    Funding Vehicle: US Department of Defense Minerva Program
    Amount: $400,000
    Role: Co-P.I.
    Program Cancelled

"VirT-Lab: Virtual Human-AI Teaming Lab"
    April 2, 2024 - October 1, 2025
    Funding Vehicle: DARPA
    Amount: $997,447
    Amount to Notre Dame: $ 291,976
    Role: Co-P.I.

"CompHuSim: Computational Human Simulations"
    Sept 17, 2024 - June 7, 2025
    Funding Vehicle: DARPA

Amount to Notre Dame: $ 34,425
Role: Notre Dame P.I.

"Dynamic Graph Neural Network Research"
September 1, 2023 - August 30, 2024
Funding Vehicle: Deloitte
Amount: $65,434
Role: Lead P.I.

"EMPATH: Predicting Emergent Pathways of Information and Influence"
August 1, 2022 - January 31, 2024
Funding Vehicle: DARPA
Project Amount: $1,000,000
Amount to Notre Dame: $ 160,000
Role: Notre Dame P.I.

"Supporting partner nations to counter foreign propaganda"
October 1, 2022 - September 30, 2024
Funding Vehicle: US Department of State, Global Engagement Center
Amount: $ 1,248,312
Amount to Notre Dame: $ 104,889
Role: Notre Dame P.I.

"Advancing Media Literacy for New Digital Arrivals in Developing Countries"
October 1, 2018 - September 30, 2025
Funding Vehicle: USAID
Amount: $ 4,012,940
Role: Lead P.I.
Program Cancelled

"EDIFICE: Early Detection of Influence Indicators with Machine Intelligence"
October 1, 2021 - September 30, 2025
Funding Vehicle: DARPA
Project Amount: $5,000,000
Amount to Notre Dame: $ 280,000
Role: Notre Dame P.I.

"Greater Internet Freedom"
September 1, 2020 - August 30, 2023
Funding Vehicle: USAID
Project Amount: $15,000,000
Amount to Notre Dame: $ 1,094,866
Role: Notre Dame P.I.

"DISCOVER: a Data-driven Integrated approach for Semantic inCOnsistencies VERification"
October 1, 2020 - September 30, 2024
Funding Vehicle: DARPA
Project Amount: $4,000,000
Amount to Notre Dame: $ 701,843
Role: Co-P.I.

"Deception Detection, Tracking and Factuality Assessment in Social and News Media LDRD Project"
December 1, 2018 - May 31, 2019
Funding Vehicle: US Dept. of Energy via Pacific Northwest National Laboratory
Amount: $ 29,364
Role: Single P.I.

"Deception Detection, Tracking and Factuality Assessment in Social and News Media"
    December 1, 2017 - May 31, 2018
    Funding Vehicle: US Dept. of Energy via Pacific Northwest National Laboratory
    Amount: $ 27,600
    Role: Single P.I.

"COSINE: Cognitive Online Simulation of Information Network Environments"
    October 1, 2017 - Sept 30, 2021
    Funding Vehicle: DARPA
    Project Amount: $4,950,000
    Amount to Notre Dame: $ 280,000
    Role: Notre Dame P.I.

"Mining Conversation Trails for Effective Group Behavior"
    July 15, 2017 - July 14, 2020
    Funding Vehicle: Army Research Office
    Amount to Notre Dame: $ 372,037
    Role: Single P.I.

"Principled Structure Discovery for Network Analysis"
    July 1, 2017 - June 30, 2022
    Funding Vehicle: National Science Foundation
    Amount to Notre Dame: $592,565
    Role: Single P.I.

"Verba Volant, Scripta Manent: Automatic Manuscript Analysis for the Vatican Secret Archives"
    June 1, 2017 - May 31, 2018
    Funding Vehicle: Notre Dame Internal Funding
    Amount: $ 32,000
    Role: Co-P.I. with ND Prof. Chiang and ND Prof. Scheirer

"Knowledge Hierarchies and Natural Navigation"
    January 1, 2015 - July 31, 2016
    Funding Vehicle: Templeton Foundation subcontract from University of Chicago
    Project Amount: $5,200,000
    Amount to Notre Dame: $ 58,000 (total from three grant amendments)
    Role: Notre Dame P.I.

"Constructing a Dataset of Catholic Parish Bulletins"
    June 1, 2015 - May 31, 2016
    Funding Vehicle: Notre Dame FRSP
    Amount: $ 10,000
    Role: Co-P.I. with ND Prof. Hungerman

"Knowledge and Social Network Analysis"
    January 1, 2016 - December 31, 2016
    Funding Vehicle: Notre Dame RGG
    Amount: $ 35,500
    Role: Single P.I.

"Socio-Digital Influence Attack Models and Deterrence"
    September 1, 2014 - August 31, 2017
    Funding Vehicle: Air Force Office of Scientific Research
    Amount to Notre Dame: $ 349,378
    Role: Single P.I.

INVITED TALKS

Digital Rerum Novarum: Artificial Intelligence for Peace, Social Justice, and Integral Human Development, Pontifical Academy of Social Science, Vatican City, October 2025.

ND-IBM Lab Tech Ethics Conference, New York, October 2025.

Cambridge Disinformation Summit, Cambridge, UK, April 2025.

USAID Asia Bureau, Washington DC, April 2024.

CRISP Grand Challenges Workshop, Purdue University, West Lafayette, IN, November 2023.

University of Maryland School of Business, October 2023.

White House Special Cyber Operations Research and Engineering (SCORE) Subcommittee on Computational Cybersecurity In Compromised Environments, Hollywood, Florida, September 2023

"Social Media as a Conduit for Conflict", ChurchLife Podcast, October 2023.

American Bar Association, San Diego, CA, February 2023

Hesburgh Lecture at the Notre Dame Club of Eastern New York, Albany, NY, November 2022

Keynote at SIGKDD Undergraduate Symposium, Washington DC, August 2022

USAID Center of Excellence on Democracy, Human Rights, and Governance, Online, June 2022

Hesburgh Lecture at the Notre Dame Club of Southeastern Virginia, Norfolk, VA, April 2022

Marine Corps University, Online, March 2022

New Humanism at the time of Neurosciences and Artificial Intelligence Group, Lyon, France, March 2022

Alan Turing Institute for Data Science and Artificial Intelligence, Online, February 2022

University Partnering for Digital Development Panel, Information and Communications Technology for Development Conference, Online, January 2022

Dicastery for Promoting Integral Human Development, Vatican City, December 2021

Pontifical University of St. Thomas Aquinas (Angelicum), Vatican City, December 2021

Social Media, Misinformation, and You, Notre Dame Stories, October 2021

TheJist Postcast, October 2021

University of Exeter, Whales, UK, October 2021

Heterogeneous Information Networks Workshop (Keynote) at KDD, Singapore, August 2021

USAID Center of Excellence on Democracy, Human Rights, and Governance, Online, June 2021

Concordia Live: Information Literacy & Misinformation in the Era of COVID-19, Virtual Townhall, June 2021

Social Natural Language Processing Workshop at NAACL, Virtual, June 2021

Heterogeneous Information Networks Workshop (Keynote) at KDD, Singapore, August 2021

Young Professionals in Foreign Policy Panel on Chinese Foreign Influence, Virtual, August 2020

USAID Center of Excellence on Democracy, Human Rights, and Governance, Virtual, May 2020

Workshop on Misinformation, National Academies of Science, Engineering, and Medicine, Washington DC, January 2020

Hesburgh Lecture at the Notre Dame Club of Washington DC, January 2020

BigGraphs Workshop (Keynote) at International Conference on Big Data, Los Angeles, CA, December 2019

University of Northern Illinois, DeKalb, IL, September 2019

Stanford Information Warfare Center, Stanford, CA, August 2019

Clemson University, Clemson, SC, April 2019

Hesburgh Lecture at the Notre Dame Club of Western Carolinas, April 2019

Getting the Story Straight at Elkhart Public Library, February 2019

Hesburgh Lecture at the Notre Dame Club of Pittsburgh, November 2018

Hesburgh Lecture at the Notre Dame Club of Cincinnati, October 2018

Credibility on the Web Workshop, New York City, October 2018

Computing Community Consortium Early Career Researcher Symposium, Washington DC, August 2018

King's College, London, June 2018

Computing Community Consortium Meeting on Addressing National Priorities and Societal Needs, Washington DC, October 2017

ACM SIGKDD Workshop on Broadening Participation in Data Mining, Halifax, Nova Scotia, Canada, August 2017

ACM SIGKDD Workshop on Data Driven Science, Halifax, Nova Scotia, Canada, August 2017

International Conference on Weblogs and Social Media Workshop on Digital Misinformation, Montreal, Quebec, Canada, June 2017

University of Oklahoma, Norman, Oklahoma, February 2017

IBM TJ Watson Laboratory, Yorktown Heights, New York, February 2017

Data Mining Meets Visual Analytics Workshop at International Conference on Knowledge Management, Indianapolis, IN, October 2016

University of Indiana, Bloomington, Indiana, October 2016

Wayne State University, Detroit, Michigan, October 2016

Midwest Big Data Challenges and Opportunities Workshop, Chicago, Illinois, September 2016

ACM SIGKDD Workshop on Broadening Participation in Data Mining, Halifax, San Francisco, August 2016

Roma Tre University, Rome, Italy, July 2016

University of Southern California, Los Angeles, CA, April 2016

Arizona State University, Tempe, AZ, February 2016

University of Chicago, Chicago, IL, November 2015

Greater Chicago Area System Research Workshop, Chicago, IL, April 2015

International Symposium on Occupational Exposure (Keynote), Ft. Lauderdale, FL, January 2015

Texas A&M University, College Station, TX, October 2013

National Science Foundation, Arlington, VA, February 2013

University of Texas, Austin, TX, March 2013

University of New Mexico, Albuquerque, NM, March 2013

University of Nebraska, Albuquerque, NM, March 2013

University of Kentucky, Lexington, Kentucky, February 2013

University of Maryland, College Park, MD, February 2013

Arizona State University, Tempe, AZ, January 2013

International Symposium on Occupational Exposure, Ft. Lauderdale, FL, January 2013

Nuclear, Plasma and Radiological and Engineering Seminar, Urbana, IL, January 2013.

University of Michigan, Department of Computer Science, Ann Arbor, MI, November 2012

Command Control and Interoperability Center for Advanced Data Analysis (CCICADA), Urbana, IL, March 2012

Universit degli Studi Roma Tre, Dipartimento di Informatica e Automazione, Rome, Italy, June 2011

Notre Dame Invited Presentations

Mendoza College of Business Centenary Conference, March 2023

Ten Years Hence, Mendoza College of Business, January 2019

Shamrock Series Panel, New York City, November 2018

ND Perspectives, University of Notre Dame Reunion Panel, June 2018

TEDxUND, University of Notre Dame, IN, January 2014

PhD Students Graduated

Robert Ryan McCune, *Graduated May 2016*, co-Advised with Greg Madey
Placement: Assistant Professor at Cal Poly

Salvador Aguinaga, *Graduated May 2018*,
Placement: Research Scientist at Kyndi

Corey Pennycuff, *Graduated May 2018*,
Placement: Assistant Teaching Professor at University of Notre Dame

Baoxu Shi, *Graduated May 2018*,
Placement: Research Scientist at LinkedIn

Maria Glenski, *Graduated May 2019*,
Placement: Research Scientist at Pacific Northwest National Laboratory

Pamela Bilo Thomas, *Graduated May 2021*,
Placement: Assistant Professor at University of Louisville

Satyaki Sikdar, *Graduated December 2021*,
Placement: Assistant Professor at Loyola University of Chicago

Rachel Krohn, *Graduated December 2021*,
Placement: Assistant Professor at Rose-Hulman Institute of Technology

Nicholas Botzer, *Graduated August 2023*,
Placement: Research Scientist at Protagonist

Trenton W. Ford, *Graduated August 2023*,
Placement: Assistant Professor at the College of William and Mary

Justus Hibshman, *Graduated December 2023*,
Placement: Trinity at Greenlawn

Yifan Ding, *Graduated May 2025*,
Placement: Research Scientist at Amazon

Daniel Gonzalez, *Graduated June 2025*,
Placement: Assistant Teaching Professor at the University of Illinois Urbana-Champaign

Amrit Poudel, *Graduated December 2025*,
Placement: Applied Scientist at Amazon

Postdoc Placement

Garrett R. Fitzgerald,
Placement: Assistant Professor at Pace University, New York City

Michael Yankoski,
Placement: Assistant Professor at Colby College, Waterville, Maine

Matthew Facciani,
Placement: Science Communication Specialist

Current Student Supervision

Adnan Hoq, *Ph.D. Student* (since Aug 2022)

Kristina Radivojevic, *Ph.D. Student, co-advised with Paul Brenner* (since Aug 2022)

Emelia Hughes, *Ph.D. Student* (since Aug 2023)

Maria Milkowski, *Ph.D. Student* (since Jan 2025)

Media Coverage

With modern media, press coverage sometimes spreads far and wide. There are often more outlets reporting than can be captured. This section therefore lists only a representative article (or two) of the total press coverage.

Chicago Social Media Tax (Fall 2025)

Fox LiveNOW: Live Television Broadcast (October 18, 2025)

TikTok Purchase (Fall 2025)

Fox 32 Chicago: Live Television Broadcast (Sept 29, 2025)

Kirk's death prompts shock, grief across Gen Z ideological lines (Fall 2025)

NYTimes: `https://www.nytimes.com/2025/09/12/us/politics/charlie-kirk-shooting-firings-celebration.html`

Reuters: `https://www.reuters.com/world/us/kirks-death-prompts-shock-grief-across-gen-z-ideological-lines-2025-09-12/`

The National News Desk: Syndicated US national television broadcast (Sept 16, 2025)

CNN: Live Television broadcast (2pm-3:30pm ET, Sept 16, 2025)

Fox 32 Chicago: Live Television Broadcast (Sept 16, 2025)

Hollywood Reporter: `https://www.hollywoodreporter.com/news/politics-news/charlie-kirk-turning-point-influencers-successor-1236373007/`

Memes and Conflict: Study shows surge of imagery and fakes can precede international and political violence (Spring 2025)

The Conversation (two languages): `https://theconversation.com/memes-and-conflict-study-shows-surge-of-imagery-and-fakes-can-precede-international-and-political-violence-233055`

United Healthcare CEO Assassination (Fall 2024)

NYTimes: `https://www.nytimes.com/live/2024/12/10/nyregion/unitedhealthcare-ceo-luigi-mangione`

NYTimes: https://www.nytimes.com/2024/12/10/nyregion/uhc-shooting-vigilantism.html and in print edition

BBC (multiple languages): https://www.bbc.com/news/articles/cp8nk75vg81o

https://www.bbc.com/portuguese/articles/cdd6eq0r047o

Arrest of Pavel Durov: Telegram, Pavel Durov's Network (Fall 2024)

LaPresse: https://www.lapresse.ca/international/europe/2024-08-27/arrestation-de-pavel-durov/telegram-le-reseau-libre-de-pavel-durov.php

Exclusive: Elon Musk's X restructuring curtails disinformation research, spurs legal fears (Fall 2023)

Reuters: https://www.reuters.com/technology/elon-musks-x-restructuring-curtails-disinformation-research-spurs-legal-fears-2023-11-06/

Reddit is Already on the Rebound (Summer 2023)

Wired: https://www.wired.com/story/reddit-is-already-on-the-rebound/

These Activists Distrust Voting Machines. Just Dont Call Them Election Deniers. (Summer 2023)

New York Times: https://www.nytimes.com/2023/06/04/technology/voting-machines-election-deniers.html

Artificial Advantage (Spring 2023) ABC57 Evening News https://www.abc57.com/news/artificial-advantage

Artificial Intelligence: How will the rise of AI impact society (Spring 2023)

Fox LiveNOW (*Live National Broadcast*)

From the Future II (Winter 2023)

Notre Dame Observer: https://ndsmcobserver.com/2023/02/from-the-future-ai-part-ii-unexpected-applications/

Misinformation or potent symbol? An out-of-date yearbook photo of masked 2nd graders raises (Winter 2022)

Yahoo News: https://news.yahoo.com/misinformation-or-potent-symbol-an-out-of-date-yearbook-photo-of-masked-2nd-graders-raises-questions-194544259.html

Challenges social media faces in 2022 (Winter 2022)

Live broadcast on Reset/WBEZ (NPR): https://www.wbez.org/stories/challenges-social-media-faces-in-2022/cd24c25d-ba66-4f1f-9fa5-412d5e5fd577

Misinformation Surrounds Solar Farm Debate (Winter 2022)

KCCI Television Broadcast and Web Article: https://www.kcci.com/article/misinformation-surrounds-iowa-solar-farm-debate/38640755

Social Media, Misinformation, and You (Winter 2022)

Notre Dame Podcast: https://soundcloud.com/notredamestories/social-media-misinformation-and-you

Tim Weninger On Reddit, GameStop, And The Internet Hive Mind (Fall 2021)

The Jist UK Podcast: https://www.youtube.com/watch?v=PZTHW9hAqDc

All IN NPR (Summer 2021)

Radio Broadcast (1 hour talk show)

Social Media Business Model and Algorithms (Spring 2021)

https://abc6onyourside.com/news/nation-world/the-business-model-is-addiction-senators-question-social-media-algorithms

Why Section 230 is under fire (Winter 2020)

https://www.csmonitor.com/USA/Politics/2020/1203/Why-the-26-words-that-created-the-internet-are-under-fire

Social media sites under scrutiny as they struggle with election misinformation (Fall 2020)

https://abc6onyourside.com/news/nation-world/social-media-sites-under-scrutiny-as-they-struggle-with-election-misinformation

Experts Fear Facebook Could be Used to Sow Post Election Chaos (Fall 2020)

https://abc6onyourside.com/news/nation-world/despite-new-policies-experts-fear-facebook-could-be-used-to-sow-post-election-chaos

https://wjla.com/news/beyond-the-podium/despite-new-policies-experts-fear-facebook-could-be-used-to-sow-post-election-chaos

Fear causing bad information to flood social media (Summer 2020)

https://www.wndu.com/content/news/Fear-causing-bad-information-to-flood-social-media-571028061.html

Fact-checking Trump, Twitter enters uncharted waters (Summer 2020)

https://www.politifact.com/article/2020/may/28/fact-checking-trump-twitter-enters-uncharted-water/

Familiar Shapes (Spring 2020)

https://www.familiarshapesthemovie.com/

This is a documentary film that is slated for release in Spring 2020

Host of Problems with Facebook Deepfake Ban, Expert Says – Communications of the ACM Magazine (Fall 2019)

https://cacm.acm.org/opinion/articles/242052-host-of-problems-with-facebook-deepfake-ban-expert-says/

Twitter's political ad policy is a small step in the fight against disinformation – CNN Opinion Article (Fall 2019)

https://www.cnn.com/2019/11/15/perspectives/twitter-political-ad-policy

Bitcoin Rally is not the Same (Summer 2019) https://www.bloomberg.com/news/articles/2019-06-26/bitcoin-s-rally-feels-like-2017-but-it-s-not-quite-the-same

Getting the Story Straight (Spring 2019)   *Radio interviews with Pamela Bilo Thomas on local radio WTRC, WVPE, WAOR*

Anger on Social Media (Fall 2018)

http://csmonitor.com/USA/Politics/2018/1207/Outrage-nation-Can-America-overcome-its-addiction-to-anger

How Fake News Spreads (Fall 2018)

https://wsbt.com/news/local/researchers-at-notre-dame-are-looking-into-how-fake-news-spreads

Spread of Lies (Spring 2018)

https://mashable.com/2018/03/08/twitter-users-retweet-fake-news-study/#bOJtl8NcMmqn

Social Media Rating Manipulation (Spring 2017)

https://www.inverse.com/article/27532-twitter-reddit-facebook-social-media-voting-fake-news

https://phys.org/news/2017-01-social-media-votes.html

Community in Focus (Winter 2017)

> https://www.overleaf.com/blog/620-community-in-focus-professor-tim-weninger-on-how-we-consume-and-curate-information

Content Browsing and Voting (Winter 2017)

> https://motherboard.vice.com/en_us/article/vbz49j/new-study-finds-that-most-redditors-dont-actually-read-the-articles-they-vote-on
>
> > *This article was "trending" on a few social media platforms*
>
> http://www.foxnews.com/tech/2017/12/01/redditors-don-t-read-what-vote-on-according-to-new-study.html
>
> https://www.pcmag.com/news/357711/study-reddit-users-tend-to-vote-without-reading

Social Voting Systems (Fall 2017)

> https://www.sciencenewsforstudents.org/article/power

Popularity for Sale (Winter 2016)

> https://www.forbes.com/sites/jaymcgregor/2016/12/14/how-we-bought-reddit-for-200/

PROFESSIONAL ACTIVITIES

University Service
> Search Committee for the VP and Associate Provost for Graduate Studies-Dean of the Graduate School (2022-2023)

College Service
> College Council (2018–2023)

Expert Witness/Consultant
> Twitter, Inc. vs Elon Musk; Chancery Court of Delaware (Expert Consultant), Fall 2022
> Florida 20th Circuit Court (Expert Witness), Punta Gorda, FL, May 2019

Writer/Consultant
> Crash Course Artificial Intelligence
> *YouTube series on AI with 10 million subscribers and millions of views.*
> https://www.youtube.com/watch?v=a0_lo_GDcFw

Associate Editor
> Data Mining and Knowledge Discovery (2019–)
> IEEE Transactions on Knowledge and Data Engineering (2019–)
> Nature Scientific Reports (2017–2020)

Organizing Committee
> Sponsorship Chair, (2026) Association for the Advancement of Artificial Intelligence (AAAI)
> Vice-Chair, (2025) IEEE Big Data Conference
> Program Committee Chair, (2025) SIAM Data Mining Conference (SDM)
> KDDCup Chair, (2022, 2023, 2024, 2025) SIGKDD Conference on Knowledge Discovery in Databases (SIGKDD)
> Social Area Chair, (2024) International Conference on the World Wide Web (WebConf)

Program Committee Co-Chair, (2023) ACM/IEEE International Conference on Advances in Social Networks Analysis and Mining (ASONAM)

Co-Chair, (2022, 2020, 2019, 2018) Workshop on Mining and Learning with Graphs at SIGKDD Conference on Knowledge Discovery in Databases (SIGKDD)

Vice-Chair, (2019) IEEE BigData Conference (BigData)

Best Paper Awards Co-Chair, (2019) SIAM Data Mining Conference (SDM)

Poster Chair, (2018) International Conference on Data Mining (ICDM)

Travel Chair, (2017) International Conference on Information and Knowledge Management (CIKM)

Co-Chair, (2017) Workshop on Heterogeneous Information Networks at ACM International Conference on Web Search and Data Mining (WSDM)

Workshop Chair, (2016) International Conference on Social Informatics (SocInfo)

Senior Program Committee or Area Chair

2026 International Conference on the World Wide Web (TheWebConf)
2026 SIGKDD Conference on Knowledge Discovery in Databases (KDD)
2026 AAAI Conference on Artificial Intelligence (AAAI)
2025 ACM International Conference on Knowledge Management (CIKM)
2025 AAAI International Conference Web and Social Media (ICWSM)
2025 Association for Computational Linguistics (ACL)
2025 International Conference on the World Wide Web (TheWebConf)
2025 SIGKDD Conference on Knowledge Discovery in Databases (KDD)
2025 AAAI Conference on Artificial Intelligence (AAAI)
2024 AAAI International Conference Web and Social Media (ICWSM)
2024 Association for Computational Linguistics (ACL)
2024 International Conference on the World Wide Web (TheWebConf)
2024 ACM International Conference on Knowledge Management (CIKM)
2024 ACM International Conference on Knowledge Management (CIKM) Demo Track
2024 ACM International Conference on Knowledge Management (CIKM) Short Paper Track
2024 SIGKDD Conference on Knowledge Discovery in Databases (KDD)
2024 ACM Pacific Asia Knowledge Discovery in Databases Conference (PAKDD)
2024 ACM Web Science Conference (WebSci)
2024 SIAM Data Mining Conference (SDM)
2024 AAAI Conference on Artificial Intelligence (AAAI)
2023 ACM International Conference on Knowledge Management (CIKM)
2023 AAAI International Conference Web and Social Media (ICWSM)
2023 SIAM Data Mining Conference (SDM)
2023 AAAI Conference on Artificial Intelligence (AAAI)
2022 SIGKDD Conference on Knowledge Discovery in Databases (KDD)
2022 ACM International Conference on Knowledge Management (CIKM)
2022 AAAI International Conference Web and Social Media (ICWSM)
2022 SIAM Data Mining Conference (SDM)
2021 ACM International Conference on Knowledge Management (CIKM)
2021 SIGKDD Conference on Knowledge Discovery in Databases (KDD)
2021 SIAM Data Mining Conference (SDM)
2021 AAAI International Conference Web and Social Media (ICWSM)
2021 ACM India Joint International Conference on Data Science & Management of Data (CODS-COMAD)
2020 SIGKDD Conference on Knowledge Discovery in Databases (KDD)
2020 AAAI International Conference Web and Social Media (ICWSM)
2020 SIAM Data Mining Conference (SDM)
2019 SIAM Data Mining Conference (SDM)

2018 International Conference on the World Wide Web (WWW)
2017 SIGKDD Conference on Knowledge Discovery in Databases (KDD)
2017 ACM Conference on Information and Knowledge Management (CIKM)

Program Committee

2024 Association for Computational Linguistics (ACL)
  ACM Conference on Information and Knowledge Management (CIKM)
  ACM SIGKDD Conference on Knowledge Discovery in Databases (KDD) Lecture Style Tutorials

2023 ICWSM Workshop on Images in Political Discourse (PhoMemes)
  International Conference on Hypertext and Social Media (HT)

2022 IEEE International Conference on Data Mining (ICDM)
  International Conference on Web Search and Data Mining (WSDM)

2021 ACM International Conference on Information Retrieval (SIGIR)
  IEEE International Conference on Data Mining (ICDM)

2020 International Conference on Computational Social Science (IC2S2)
  ACM International Conference on Knowledge Management (CIKM)
  International Conference on Web Search and Data Mining (WSDM)

2019 AAAI Conference on Artificial Intelligence (AAAI)
  International World Wide Web Conference (WWW)
  International Conference on Computational Social Science (IC2S2)

2019 AAAI Conference on Artificial Intelligence (AAAI)
  International World Wide Web Conference (WWW)
  Processing Information Ethically Workshop (PIE)
  SIGKDD Conference on Knowledge Discovery in Databases (KDD)
  IEEE International Conference on Data Mining (ICDM)
  International Conference on Web Search and Data Mining (WSDM)
  International Conference on Web Information Systems Engineering (WISE)

2018 AAAI Conference on Artificial Intelligence (AAAI)
  International Conference on Web Search and Data Mining (WSDM)
  SIAM Network Science
  SIGKDD Conference on Knowledge Discovery in Databases (KDD)
  International World Wide Web Conference (WWW)

2017 AAAI Conference on Artificial Intelligence (AAAI)
  International Conference on Weblogs and Social Media (ICWSM)
  DEXA Text Information Retrieval Workshop (TIR)
  International Conference on Social Informatics (SocInfo)
  ACM International Conference on Knowledge Management (CIKM)
  International World Wide Web Conference (WWW)

2016 AAAI Conference on Artificial Intelligence (AAAI)
  International World Wide Web Conference (WWW)

SIGKDD Conference on Knowledge Discovery in Databases (KDD)
International Conference on Social Informatics (SocInfo)
International Joint Conference on Artificial Intelligence (IJCAI)

2015 International World Wide Web Conference (WWW)
SIGKDD Conference on Knowledge Discovery in Databases (KDD)
Neural Information Processing Systems (NIPS)
SIAM Conference on Data Mining (SDM)
IEEE International Conference on Data Mining (ICDM)
IEEE International Conference on Machine Learning (ICML)
International Joint Conference on Artificial Intelligence (IJCAI)
IEEE International Conference on Big Data Science and Engineering (BigDataSE)
ACM International Conference on Knowledge Management (CIKM)
DEXA Text Information Retrieval Workshop (TIR)

2014 International Conference on Advanced Data Mining and Applications (ADMA)
AAAI Conference on Artificial Intelligence (AAAI)
International World Wide Web Conference (WWW)
SIGKDD Conference on Knowledge Discovery in Databases (KDD)
IEEE International Conference on Data Mining (ICDM)
IEEE International Conference on Machine Learning
SIAM International Data Mining Conference (SDM)
DEXA Text Information Retrieval Workshop (TIR)
Asian Pacific Web Conference (APWeb)
International Organization for Information Integration and Web-based Applications & Services Conference (iiWAS)
International Conference on Social Informatics (SocInfo)

2013 International Conference on Advanced Data Mining and Applications (ADMA)
DEXA Text Information Retrieval Workshop (TIR)
ACM International Conference on Knowledge Management (CIKM)

2012 DEXA Text Information Retrieval Workshop (TIR)

2011 DEXA Text Information Retrieval Workshop (TIR)

Journal Reviewer

2025 Nature Human Behavior
Proceedings of the US National Academy of Sciences (PNAS)
Information Communication and Society (ICS)

2024 Proceedings of the US National Academy of Sciences (PNAS)
Journal of Media Literacy Education
Journal of Artificial Intelligence Research (JAIR)
Information Processing and Management (IPM)
IEEE Transactions on Computational Social Sciences

2023 Communications of the ACM
IEEE Transactions on Neural Networks and Learning Systems
IEEE Transactions on Technology and Society
Journal of Logic, Language and Information
First Monday
IEEE Transactions on Knowledge and Data Engineering (TKDE)

2022 IEEE Transactions on Knowledge and Data Engineering (TKDE)
ACM Transactions on Knowledge Discovery in Databases (TKDD)
Data in Brief
ACM Computing Surveys
PLOS One
First Monday
Knowledge Based Systems

2021 Artificial Intelligence Review
Data Mining and Knowledge Discovery (DAMI)
Transactions on Computational Social Systems
IEEE Transactions on Knowledge and Data Engineering (TKDE)
ACM Transactions on Knowledge Discovery in Databases (TKDD)

2020 Science Advances
Information Sciences
Data Mining and Knowledge Discovery (DAMI)
Physical Review X (PRX)
Transactions on Computational Social Systems
World Wide Web Journal
IEEE Transactions on Knowledge and Data Engineering (TKDE)
Information Systems

2019 Transactions on Information Systems (TOIS)
Transactions on Interactive Intelligent Systems (TIIS)
Information Systems
Nature Scientific Reports
Knowledge and Information Systems (KAIS)
IEEE Transactions on Knowledge and Data Engineering (TKDE)

2018 Nature Scientific Reports
Knowledge and Information Systems (KAIS)
IEEE Transactions on Knowledge and Data Engineering (TKDE)
ACM Journal of Data and Information Quality (JDIQ)
ACM Transactions on the Web (TWeb)

2017 Nature Scientific Reports
Knowledge and Information Systems (KAIS)
IEEE Transactions on Knowledge and Data Engineering (TKDE)
ACM Transactions on the Web (TWeb)

2016 Knowledge Based Systems
IEEE/ACM Transactions on Computational Biology and Bioinformatics
Data Mining and Knowledge Discovery (DAMI)
ACM Transactions on the Web (TWeb)
ACM/IEEE Transactions on Computational Biology and Bioinformatics (TCBB)
ACM Transactions on Knowledge Discovery in Databases (TKDD)
IEEE Transactions on Network Science and Engineering (TNSE)
IEEE Transactions on Knowledge and Data Engineering (TKDE)

2015 Knowledge and Information Systems (KAIS)
ACM Transactions on the Web (TWeb)
IEEE Transactions on Knowledge and Data Engineering (TKDE)
Information Fusion
Social Networks Analysis and Mining

2014 Journal of the American Society for Information Science and Technology (JASIST)
Data Mining and Knowledge Discovery (DAMI)
Neurocomputing
Knowledge and Information Systems (KAIS)
ACM Transactions on the Web (TWeb)
ACM Transactions on Knowledge Discovery and Data Mining (TKDD)
ACM Transactions on Intelligent Systems and Technology (TIST)

2013 IEEE Transactions on Knowledge and Data Engineering (TKDE)
ACM Transaction on Information Systems (TOIS)
Digital Multimedia Broadcasting (IJDMB)
Knowledge and Information Systems (KAIS)
ACM Transactions on the Web (TWeb)