

Emőke-Ágnes Horvát

<http://www.agneshorvat.info> <https://link.soc.northwestern.edu/> a-horvat@northwestern.edu

Academic experience

NORTHWESTERN UNIVERSITY, Evanston, IL, USA

- 2022-2023 *Interim director of graduate studies*, Technology and Social Behavior (TSB)
- 2019-present *Assistant professor* (by courtesy), Computer Science, McCormick School of Engineering
Faculty affiliate, Northwestern University Transportation Center (NUTC)
- 2016-present *Assistant professor*, Communication Studies, School of Communication
Core faculty, Technology and Social Behavior (TSB)
Core faculty, Media, Technology, and Society (MTS)
Core faculty, Center for Human Computer Interaction + Design (HCI+D)
Faculty affiliate, Northwestern Institute on Complex Systems (NICO)
- 2016-2018 *Assistant professor* (by courtesy), Management & Organizations, Kellogg School of Management
- 2014-2016 *Postdoctoral research fellow*, Northwestern Institute on Complex Systems (NICO)

HEIDELBERG UNIVERSITY, Heidelberg, Germany

- 2014 *Guest lecturer*, Institute of Geography
- 2010-2013 *Research assistant*, Interdisciplinary Center for Scientific Computing (IWR)
- 2010-2011 *Teaching assistant*, Department of Mathematics and Computer Science

TECHNICAL UNIVERSITY KAISERSLAUTERN, Kaiserslautern, Germany

- 2012 *Research associate*, Department of Theoretical Computer Science

PÁZMÁNY PÉTER CATHOLIC UNIVERSITY, Budapest, Hungary

- 2009 *Research assistant*, Faculty of Information Technology and Bionics

EÖTVÖS LORÁND UNIVERSITY, Budapest, Hungary

- 2007 *Undergraduate research assistant*, Institute of Theoretical Physics, Faculty of Science

Education

HEIDELBERG UNIVERSITY, Heidelberg, Germany

- 2013 **PhD in interdisciplinary physics**
Dissertation: *Modelling and inferring connections in complex networks*

BABEȘ-BOLYAI UNIVERSITY, Cluj-Napoca, Romania

- 2010 **MS in computational physics**
Thesis: *Self-assembled micropatterns in carbon nanobristles*
- 2008 **BS in physics & computer science**
Thesis: *Applications of spring-block type models in material sciences*

SAPIENTIA UNIVERSITY, Cluj-Napoca, Romania

- 2008 **BA in photography, film, and media**
Thesis: *How do you remember thirst? The Deleuzian time-image in the films of Chris Marker*
Feature film script: *The big white*

Awards & fellowships

- 2022 **Best Student Paper Award**, International Conference on the Science of Science and Innovation (ICSSI), National Academy of Sciences, Washington DC
Paper title: *Intersectional inequalities in the impact of online visibility on citations*
Student author: Julia Barnett
- 2022 **Top Student Paper Award**, Computational Methods Division, International Communication Association (ICA), Paris, France
Paper title: *A Network-based approach to understanding signalling and irrational herding behaviour online*
Student author: Henry Dambanemuya
- 2020 **National Science Foundation CAREER Award**
Proposal title: *Transforming online scholarly communication with networked crowd computation*
- 2019-2020 **Faculty Fellow**, Searle Center for Advancing Teaching & Learning, Northwestern University
- 2018 **National Science Foundation CRII Award**
Proposal title: *Early detection of collective misconceptions with network-aware machine learning tools*
- 2014 **Best Talk Award**, Annual Symposium, Northwestern University Postdoctoral Forum
Talk title: *Blockbusters or art cinema: Which productions write film history?*
- 2012 **Karl Steinbuch Scholarship**, Media and Film Society, Baden-Württemberg, Germany
Proposal title: *AFFINE: A network analytic approach to identifying characteristics of cinematic milestones*
- 2010-2013 **PhD Fellowship**, Heidelberg Graduate School of Mathematical and Computational Methods for the Sciences, Heidelberg University
Full funding for 3 years
- 2010 **Student Paper Award**, 12th IEEE International Workshop on Cellular Nanoscale Networks and their Applications (CNNA), Berkeley
Paper title: *Periodicity enhancement of two-mode stochastic oscillators in a CNN type architecture*
- 2004-2009 **Academic Excellence Fellowship**, Babeş-Bolyai University, Romania
- 2004-2007 **Academic Excellence Fellowship**, Sapientia University, Romania
- 2006-2009 **Student Competition Prizes**, Hungarian and Transylvanian Students' Scientific Conference [OTDK & ETDK]:
- **First Prize in Physics** 2007, 2008
 - **First Prize in Art Theory** 2007, 2008
 - **Second Prize in Cinema Studies** 2006, 2009
 - **Special Prize in Nanostructures** 2009
 - **Pro Scientia Prize** 2007
- 2003 **First Prize in Physics**, International Conference of Young Scientists, Prague, Czech Republic

Research grants

- 2022-present **National Science Foundation Collaborative HCC Small Award (IIS-2133963 & IIS-2133964)**
Proposal title: *Science communication in the ecosystem of digital media platforms*
Role: PI at lead institution Amount: \$499,999
Team: Nick Diakopoulos (Northwestern University) and Daniel Romero (University of Michigan)
- 2022-present **COVID-19 Research Recovery Grant, Northwestern University**
Proposal title: *Science communication in the ecosystem of digital media platforms*
Role: PI Amount: \$50,000
- 2021-present **Peterson Fund, Northwestern University**
Proposal title: *Communication ecology: Using a new method to guide health policies in an information-rich environment*
Role: co-PI Amount: \$125,104
Team: Nathan Walter (Northwestern University)
- 2021 **Research Support Funding, School of Communication, Northwestern University**
Proposal title: *Experimental study of the effectiveness of crowd signals in online fundraising*
Role: PI Amount: \$5,000
- 2020-present **National Science Foundation CAREER Award (IIS-1943506)**
Proposal title: *Transforming online scholarly communication with networked crowd computation*
Role: PI Amount: \$549,775
- 2020-present **CESR Seed Funding Grant, Northwestern University**
Proposal title: *Community Vulnerability Index: Examining resilience to overlapping hazards*
Role: co-PI Amount: \$70,000
Team: Amanda Stathopoulos (Northwestern University)
- 2018-2021 **National Science Foundation CRII Award (IIS-1755873)**
Proposal title: *Early detection of collective misconceptions with network-aware machine learning tools*
Role: PI Amount: \$174,788
- 2018-2019 **Northwestern Institute on Complex Systems Research Grant**
Proposal title: *The network structure of groupthink*
Role: co-PI Amount: \$21,872
Team: Ned Smith (Northwestern University) and Joshua Becker (Northwestern University)
- 2018 **Kellogg Dispute Resolution Research Center Research Grant**
Proposal title: *A network solution to conflict management*
Role: co-PI Amount: \$2,500
Team: Ned Smith (Northwestern University) and Joshua Becker (Northwestern University)
- 2017 **Data Science Initiative Research Grant, Northwestern University**
Proposal title: *Is ours better than mine? Investigating collaborative consumption systems*
Role: co-PI Amount: \$30,000
Team: Amanda Stathopoulos (Northwestern University) and Ying Chen (Northwestern University)
- 2012 **Karl Steinbuch Scholarship, Media and Film Society, Baden-Württemberg, Germany**
Role: PI Amount: €10,000

Publications

Notes:

- Since 2016, student and postdoc authors at the time of writing are marked with †
- Senior lead authors are listed last on publications in lab-based research

JOURNAL ARTICLES

1. Katherine O’Toole† and **Emőke-Ágnes Horvát**. Novelty and cultural evolution in modern popular music. *EPJ Data Science* 12:3, 2023
2. Hao Peng†, Daniel Romero and **Emőke-Ágnes Horvát**. Dynamics of cross-platform attention to retracted papers. *Proceedings of the National Academy of Sciences*, 119 (25) e2119086119, 2022
3. **Emőke-Ágnes Horvát** and Brian Uzzi. Virtual collaboration hinders a key component of creativity. *Nature News & Views*, 605(7908): 38–39, 2022
4. **Emőke-Ágnes Horvát** and Eszter Hargittai. Birds of a feather flock together online: Digital inequality in social media repertoires. *Social Media + Society*, October 2021
5. Orsolya Vásárhelyi†, Igor Zakhlebin†, Staša Milojević and **Emőke-Ágnes Horvát**. Gender inequities in the online dissemination of scholars’ work. *Proceedings of the National Academy of Sciences*, 118 (39) e2102945118, 2021
6. Nicholas Hagar†, Johannes Wachs†, and **Emőke-Ágnes Horvát**. Writer movements between news outlets reflect political polarization in media. *New Media & Society*, July 2021
7. Henry K. Dambanemuya† and **Emőke-Ágnes Horvát**. A multi-platform study of crowd signals associated with successful online fundraising. in *Proc. ACM Human-Computer Interaction*, CSCW, Article 115, pages 1–19, 2021
8. Henry K. Dambanemuya†, Haomin Lin†, and **Emőke-Ágnes Horvát**. Characterizing online media on COVID-19 during the early months of the pandemic. *Journal of Quantitative Description: Digital Media*, 1, 2021
9. Kyosuke Tanaka† and **Emőke-Ágnes Horvát**. (Un)intended consequences of networking in individual and network-level efficiency. *Applied Network Science*, 4:77, 2019
10. Pramesh Singh†, Jayaram Uparna†, Panagiotis Karampournotis†, **Emőke-Ágnes Horvát**, Boleslaw Szymanski, György Korniss, Jonathan Z. Bakdash and Brian Uzzi. Peer-to-peer lending and bias in crowd decision-making. *PLOS ONE*, 13(3):e0193007, 2018
11. Andreas Spitz†, Anna Gimmler†, Thorsten Stoeck, Katharina Anna Zweig and **Emőke-Ágnes Horvát**. Assessing low-intensity relationships in complex networks. *PLOS ONE*, 11(4): e0152536, 2016
12. Wolfgang Eugen Schlauch, **Emőke-Ágnes Horvát** and Katharina Anna Zweig. Different flavors of randomness: Comparing random graph models with fixed degree sequences. *Social Network Analysis and Mining*, 5:36, 2015

13. Andreas Spitz and **Emőke-Ágnes Horvát**. Measuring long-term impact based on network centrality: Unraveling cinematic citations. *PLOS ONE*, 9(10):e108857, 2014
14. Andreas Spitz and **Emőke-Ágnes Horvát**. A cookbook of cinematic delicacies that do not expire. *Leonardo*, 47(3):271, 2014
15. **Emőke-Ágnes Horvát** and Katharina Anna Zweig. A fixed degree sequence model for the one-mode projection of multiplex bipartite graphs. *Social Network Analysis and Mining*, 3(4):1209–1224, 2013
16. **Emőke-Ágnes Horvát**, Jitao David Zhang, Stefan Uhlmann, Özgür Sahin and Katharina Anna Zweig. A network-based method to assess the statistical significance of mild co-regulation effects. *PLOS ONE*, 8(9):e73413, 2013
17. Andreas Spitz, Katharina Anna Zweig and **Emőke-Ágnes Horvát**. SICOP: identifying Significant CO-interaction Patterns, *Bioinformatics*, 29(19):2503–2504, 2013
18. **Emőke-Ágnes Horvát**, Michael Hanselmann, Fred A. Hamprecht and Katharina Anna Zweig. One plus one makes three (for social networks). *PLOS ONE*, 7(4):e34740, 2012
19. Stefan Uhlmann, Heiko Mannsperger, Jitao David Zhang, **Emőke-Ágnes Horvát**, Christian Schmidt, Moritz Küblbeck, Frauke Henjes, Aiofe Ward, Uli Tschulena, Katharina Anna Zweig, Ulrike Korf, Stefan Wiemann and Özgür Sahin. Global microRNA level regulation of EGFR-driven cell-cycle protein network in breast cancer. *Molecular Systems Biology*, 8:570, 2012
20. **Emőke-Ágnes Horvát**, Ferenc Járαι-Szabó, Yves Brechet and Zoltán Nédá. Spring-block approach for crack patterns in glass. *Central European Journal of Physics*, 10(4):926–935, 2012
21. Ferenc Járαι-Szabó, **Emőke-Ágnes Horvát**, Róbert Vajtai and Zoltán Nédá. Spring-block approach for nanobristle patterns. *Chemical Physics Letters*, 511(4–6):378–383, 2011

PEER-REVIEWED ARCHIVAL CONFERENCE PROCEEDINGS*

22. **Emőke-Ágnes Horvát**, Henry K. Dambanemuya†, Jayaram Uparna† and Brian Uzzi. Hidden indicators of collective intelligence in crowdfunding. In *Proceedings of The Web Conference (WWW’23)*, pages 3806–3815, Austin, TX, 2023
23. Sohyeon Hwang†, **Emőke-Ágnes Horvát** and Daniel Romero. Information retention in the multi-platform sharing of science. Forthcoming In *Proceedings of the 17th International AAAI Conference on Web and Social Media (ICWSM’23)*, Limassol, Cyprus, 2023
24. Orsolya Vásárhelyi† and **Emőke-Ágnes Horvát**. Who benefits from altmetrics? The effect of team gender composition on the link between online visibility and citation impact. Forthcoming In *Proceedings of the International Society of Scientometrics and Informetrics Conference (ISSI’23)*, Bloomington, IN, 2023
25. Igor Zakhlebin† and **Emőke-Ágnes Horvát**. Diffusion of scientific articles across online platforms. In *Proceedings of the 14th International Conference on Web and Social Media (ICWSM’20)*, pages 762–773, Atlanta, GA, 2020

*In computer science and related areas, peer-reviewed archival conference proceedings are considered prime publication venues

26. Yixue Wang† and **Emőke-Ágnes Horvát**. Gender differences in the global music industry: Evidence from MusicBrainz and The Echo Nest. In *Proceedings of the 13th International Conference on Web and Social Media (ICWSM'19)*, pages 517–526, Munich, Germany, 2019
27. Henry K. Dambanemuya† and **Emőke-Ágnes Horvát**. Harnessing collective intelligence in P2P lending. In *Proceedings of the 11th ACM Conference on Web Science (WebSci'19)*, pages 57–64, Boston, MA, 2019
28. Igor Zakhlebin† and **Emőke-Ágnes Horvát**. Investor retention in equity crowdfunding. In *Proceedings of the 11th ACM Conference on Web Science (WebSci'19)*, pages 343–351, Boston, MA, 2019
29. Dana Choi† and **Emőke-Ágnes Horvát**. Airbnb's reputation system and gender differences among guests: Evidence from large-scale data analysis and a controlled experiment. In *Proceedings of the 11th International Conference on Social Informatics (SocInfo'19)*, Doha, Qatar, 2019
30. Henry K. Dambanemuya† and **Emőke-Ágnes Horvát**. Network perspective on the efficiency of peace accords implementation. In *Proceedings of the 2019 IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining (ASONAM'19)*, Vancouver, BC, Canada, 2019
31. **Emőke-Ágnes Horvát**, Johannes Wachs†, Rong Wang† and Anikó Hannák†. The role of novelty in securing investors for equity crowdfunding campaigns. In *Proceedings of the 6th AAAI Conference on Human Computation and Crowdsourcing (HCOMP'18)*, pages 50–59, Zürich, Switzerland, 2018
32. Kyosuke Tanaka† and **Emőke-Ágnes Horvát**. Networking strategies and efficiency in human communication networks. In *Proceedings of the 7th International Conference on Complex Networks and Their Applications (COMPLEX NETWORKS'18)*, pages 258–270, Cambridge, UK, 2018
33. **Emőke-Ágnes Horvát** and Theodore Papamarkou†. Gender differences in equity crowdfunding. In *Proceedings of the 5th AAAI Conference on Human Computation and Crowdsourcing (HCOMP'17)*, pages 51–60, Quebec City, QC, Canada, 2017
34. Igor Zakhlebin† and **Emőke-Ágnes Horvát**. Network signatures of success: Emulating expert and crowd assessment in science, art, and technology. In *Proceedings of the 6th International Conference on Complex Networks and Their Applications, (COMPLEX NETWORKS'17)*, pages 437–449, Lyon, France, 2017
35. **Emőke-Ágnes Horvát**, Jayaram Uparna and Brian Uzzi. Network vs market relations: The effect of friends in crowdfunding. In *Proceedings of the 2015 IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining (ASONAM'15)*, pages 226–233, Paris, France, 2015
36. **Emőke-Ágnes Horvát**, Michael Hanselmann, Fred A. Hamprecht and Katharina Anna Zweig. You are who knows you: Predicting links between non-members of Facebook. In *Proceedings of the European Conference on Complex Systems 2012 (ECCS'12)*, pages 309–316, Bruxelles, Belgium, 2013
37. **Emőke-Ágnes Horvát** and Katharina Anna Zweig. One-mode projections of multiplex bipartite graphs. In *Proceedings of the 2012 IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining (ASONAM'12)*, pages 598–605, Istanbul, Turkey, 2012

38. Giovanni E. Paziienza, Kristóf Karacs, **Emőke-Ágnes Horvát** and Gabriell Máté. Designing efficient CNN algorithms by combining manual and automatic techniques. In *Proceedings of the 12th IEEE International Workshop on Cellular Nanoscale Networks and Applications*, Berkeley, CA, 2010 **Student Paper Award**
39. Gabriell Máté, **Emőke-Ágnes Horvát**, Tamás Roska, Erna Káptalan and Zoltán Néda. Periodicity enhancement of two-mode stochastic oscillators in a CNN type architecture. In *Proceedings of the 12th IEEE International Workshop on Cellular Nanoscale Networks and Applications*, Berkeley, CA, 2010

BOOK CHAPTER

40. **Emőke-Ágnes Horvát** and Katharina A. Zweig. Multiplex networks. In *Encyclopedia of Social Network Analysis and Mining*. Eds. Reda Alhajj and Jon Rokne, pages 1019–1023, Springer New York, 2014

PEER REVIEWED NON-ARCHIVAL PUBLICATIONS & EXTENDED ABSTRACTS (SELECTED)

41. Orsolya Vásárhelyi†, Julia Barnett†, Staša Milojević and **Emőke-Ágnes Horvát**. Intersectional inequalities in the impact of online visibility on citations. International School and Conference on Network Science (NetSci), Vienna, Austria, 2023
42. Henry Dambanemuya†, Daniel Romero, **Emőke-Ágnes Horvát**. Predicting persuasion success with network-based machine-learning tools. International School and Conference on Network Science (NetSci), Vienna, Austria, 2023
43. Maalvika Bhat†, **Emőke-Ágnes Horvát** and Daniel Romero. Understanding clickbait in multiplatform science dissemination. Annual Meeting of the International Communication Association (ICA), Toronto, Canada, 2023
44. Jose Cordova†, **Emőke-Ágnes Horvát** and Daniel Romero. Online dissemination of scientific articles: How temporal, structural, and content features of early mentions impact virality. Annual Meeting of the International Communication Association (ICA), Toronto, Canada, 2023
45. Rod Abhari†, Stefanie Demetriades, **Emőke-Ágnes Horvát** and Nathan Walter. Audience polarization and the multi-platform communication ecology. Annual Meeting of the International Communication Association (ICA), Toronto, Canada, 2023
46. Rod Abhari†, Nick Vincent†, Henry Dambanemuya†, Herminio Bodon† and **Emőke-Ágnes Horvát**. Engagement with retracted articles on Twitter: Who, when, and how? International Conference on Computational Social Science (IC²S²), University of Chicago, Chicago, 2022
47. Hao Peng†, Misha Teplitskiy, Daniel Romero and **Emőke-Ágnes Horvát**. Gender differences in scholarly self-promotion on Twitter. International Conference on Computational Social Science (IC²S²), University of Chicago, Chicago, 2022
48. Nick Hagar† and **Emőke-Ágnes Horvát**. Determinants of popularity in digital media consumption. International Conference on Computational Social Science (IC²S²), University of Chicago, Chicago, 2022
49. Sohyeon Hwang†, **Emőke-Ágnes Horvát**, Daniel Romero. Information retention in multiplatform discussions of science. International Conference on Computational Social Science (IC²S²), University of Chicago, Chicago, 2022

50. Henry Dambanemuya† and **Emőke-Ágnes Horvát**. Universal crowd behavior predicts success in crowdfunding. International Conference on Computational Social Science (IC²S²), University of Chicago, Chicago, 2022
51. Orsolya Vásárhelyi†, Julia Barnett†, Staša Milojević and **Emőke-Ágnes Horvát**. Intersectional inequalities in the impact of online visibility on citations. International Conference on Computational Social Science (IC²S²), University of Chicago, Chicago, 2022
52. Henry Dambanemuya†, Johannes Wachs and **Emőke-Ágnes Horvát**. Emergent networks of herding in online peer-to-peer lending. International Conference on Computational Social Science (IC²S²), University of Chicago, Chicago, 2022
53. **Emőke-Ágnes Horvát** and Eszter Hargittai. Birds of a feather flock together online: Digital inequality in social media repertoires. International Conference on Computational Social Science (IC²S²), University of Chicago, Chicago, 2022
54. Rod Abhari†, Nick Vincent†, Henry Dambanemuya† and **Emőke-Ágnes Horvát**. Polarization and conspiracy in tweets about retracted COVID-19 research. International Conference on Computational Social Science (IC²S²), University of Chicago, Chicago, 2022
55. Katherine O’Toole† and **Emőke-Ágnes Horvát**. Multi-modal analysis of perceptions of novelty in modern popular music. International Conference on Computational Social Science (IC²S²), University of Chicago, Chicago, 2022
56. Orsolya Vásárhelyi†, Julia Barnett†, Staša Milojević and **Emőke-Ágnes Horvát**. Intersectional inequalities in the impact of online visibility on citations. International Conference on the Science of Science and Innovation (ICSSI), National Academy of Sciences, Washington DC, 2022 **Best Student Paper Award**
57. Hao Peng†, Daniel Romero and **Emőke-Ágnes Horvát**. Dynamics of cross-platform attention to retracted papers. International Conference on the Science of Science and Innovation (ICSSI), National Academy of Sciences, Washington DC, 2022
58. Hao Peng†, Misha Teplitskiy, Daniel Romero and **Emőke-Ágnes Horvát**. Gender differences in scholarly self-promotion on Twitter. International Conference on the Science of Science and Innovation (ICSSI), National Academy of Sciences, Washington DC, 2022
59. Sohyeon Hwang†, **Emőke-Ágnes Horvát**, Daniel Romero. Information retention in multi-platform discussions of science. International Conference on the Science of Science and Innovation (ICSSI), National Academy of Sciences, Washington DC, 2022
60. Henry K. Dambanemuya† and **Emőke-Ágnes Horvát**. A network-based approach to understanding signalling and irrational herding behaviour online. Annual Meeting of the International Communication Association (ICA), Paris, France, 2022 **Top Student Paper Award**
61. Henry Dambanemuya†, Eunseo Choi†, Darren Gergle and **Emőke-Ágnes Horvát**. Experimental study of the effectiveness of crowd signals in online fundraising. International Conference on Computational Social Science (IC²S²), remotely, 2021
62. Hao Peng†, Daniel Romero and **Emőke-Ágnes Horvát**. Analyzing online attention to retracted papers. International Conference on Computational Social Science (IC²S²), remotely, 2021
63. Katherine O’Toole† and **Emőke-Ágnes Horvát**. Novelty and cultural change in modern popular music. International Conference on Computational Social Science (IC²S²), remotely, 2021

64. Orsolya Vásárhelyi†, Igor Zakhlebin†, Staša Milojević and **Emőke-Ágnes Horvát**. Do online platforms democratize science? Gender inequities in the online success of scientists. *Networks*, remotely, 2021
65. Nick Hagar†, Johannes Wachs†, and **Emőke-Ágnes Horvát**. Writer movements between news outlets reflect political polarization in media. *Networks*, remotely, 2021
66. Henry K. Dambanemuya† and **Emőke-Ágnes Horvát**. Harnessing collective intelligence in P2P lending. *ACM Collective Intelligence Conference*, remotely, 2020
67. Nick Hagar†, Johannes Wachs†, and **Emőke-Ágnes Horvát**. The network structure of freelance journalism. *International Conference on Computational Social Science (IC²S²)*, remotely, 2020
68. Orsolya Vásárhelyi†, Igor Zakhlebin†, Staša Milojević and **Emőke-Ágnes Horvát**. Gender diversity in collaboration networks and the online popularity of scientists. *International Conference on Computational Social Science (IC²S²)*, remotely, 2020
69. Igor Zakhlebin† and **Emőke-Ágnes Horvát**. The science of sharing and the sharing of science: Diffusion of scientific articles across online platforms. *International School and Conference on Network Science (NetSci)*, remotely, 2020
70. Henry K. Dambanemuya†, Madhav Joshi and **Emőke-Ágnes Horvát**. Network perspective on peace accords implementation. *International School and Conference on Network Science (NetSci)*, remotely, 2020
71. Henry K. Dambanemuya† and **Emőke-Ágnes Horvát**. Inferring irrational lending behaviour from implicit herding networks. *International School and Conference on Network Science (NetSci)*, remotely, 2020
72. Orsolya Vásárhelyi†, Igor Zakhlebin†, Staša Milojević and **Emőke-Ágnes Horvát**. Gender diversity in collaboration networks and the online popularity of scientists. *International School and Conference on Network Science (NetSci)*, remotely, 2020
73. **Emőke-Ágnes Horvát** and Eszter Hargittai. Birds of a feather flock together online: Social media associations by user base. *Annual Meeting of the International Communication Association (ICA)*, Washington, DC, 2019
74. Igor Zakhlebin† and **Emőke-Ágnes Horvát**. Dynamics and structure of research coverage across online media. *Annual Meeting of the International Communication Association (ICA)*, Washington, DC, 2019
75. Henry K. Dambanemuya† and **Emőke-Ágnes Horvát**. Harnessing collective intelligence to improve decision-making: Predicting long-term success in P2P lending. *Annual Meeting of the International Communication Association (ICA)*, Washington, DC, 2019
76. Kyosuke Tanaka† and **Emőke-Ágnes Horvát**. Networking strategies at the trade-off between individual and system-level efficiency. *Annual Meeting of the International Communication Association (ICA)*, Washington, DC, 2019
77. Henry K. Dambanemuya† and **Emőke-Ágnes Horvát**. Network-aware multi-agent simulations of herder-farmer conflicts. *IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining (ASONAM)*, Vancouver, BC, Canada, 2019
78. **Emőke-Ágnes Horvát**, Daniel M. Romero and Brian Uzzi. Harnessing collective wisdom from communication patterns in human organizations. *Annual Meeting of the International Communication Association (ICA)*, Prague, Czech Republic, 2018

79. **Emőke-Ágnes Horvát**, Johannes Wachs†, Rong Wang† and Anikó Hannák†. Is novelty an advantage or a drawback in equity crowdfunding? ACM Collective Intelligence Conference, Zürich, Switzerland, 2018
80. Michael Mauskapf, Noah Askin, **Emőke-Ágnes Horvát** and Brian Uzzi. Is there a gender gap in the novelty of creative products? Evidence from the global music industry. International Conference on Computational Social Science (IC²S²), Evanston, IL, 2018
81. Igor Zakhlebin† and **Emőke-Ágnes Horvát**. When everyone agrees. Similarity of centrality indices in citation networks. International Conference on Computational Social Science (IC²S²), Evanston, IL, 2018
82. **Emőke-Ágnes Horvát**. Women on the online capital market: What is in a money network? European Symposium Series on Societal Challenges in Computational Social Science: Inequality and Imbalance, London, UK, 2017
83. **Emőke-Ágnes Horvát**, Jayaram Uparna† and Brian Uzzi. Hidden indicators of collective intelligence in crowdfunding. 9th International Conference on Social Informatics (SocInfo), Oxford, UK, 2017
84. **Emőke-Ágnes Horvát**, Michael Mauskapf†, Noah Askin and Brian Uzzi. Understanding the link between quality, social influence, and success in popular music. IPAM Culture Analytics Seminar Series, Culture Analytics Beyond Text Workshop. Los Angeles, CA, 2016
85. **Emőke-Ágnes Horvát** and Kathrin Flasskamp†. A multi-objective approach to measuring centrality. SIAM Network Science Workshop, Boston, MA, 2016
86. Theodore Papamarkou† and **Emőke-Ágnes Horvát**. Statistic-preserving random multiplex generation. SIAM Network Science Workshop, Boston, MA, 2016
87. Pramesh Singh†, Panagiotis Karampournotis†, **Emőke-Ágnes Horvát**, Boleslaw Szymanski, György Korniss and Brian Uzzi. Exact and approximated null models for weighted digraphs. SIAM Network Science Workshop, Boston, MA, 2016
88. **Emőke-Ágnes Horvát**, Jayaram Uparna† and Brian Uzzi. Unraveling crowd IQ signals in crowdfunding. Collective Intelligence Conference, New York, NY, 2016
89. **Emőke-Ágnes Horvát**, Daniel M. Romero and Brian Uzzi. Leveraging collective intelligence in organizations. Collective Intelligence Conference, Santa Clara, CA, 2015
90. **Emőke-Ágnes Horvát**, Jayaram Uparna and Brian Uzzi. Market vs network relations: The role of friends in crowdfunding. International School and Conference on Network Science (NetSci), Zaragoza, Spain, 2015
91. **Emőke-Ágnes Horvát**, Daniel M. Romero and Brian Uzzi. Leveraging collective intelligence in organizations. International School and Conference on Network Science (NetSci), Zaragoza, Spain, 2015

PRE-PRINTS AND MANUSCRIPTS UNDER REVIEW

- Hao Peng†, Misha Teplitskiy, Daniel Romero and **Emőke-Ágnes Horvát**. The gender gap in scholarly self-promotion on social media ArXiv: <https://arxiv.org/abs/2206.05330>
- Henry K. Dambanemuya†, Dana Choi†, Darren Gergle and **Emőke-Ágnes Horvát**. Hidden influences of crowd behaviour in crowdfunding: An experimental study ArXiv: <https://arxiv.org/abs/2206.07210>

- Joshua Becker†, Abdullah Almaatouq† and **Emőke-Ágnes Horvát**. Network structures of collective intelligence: The contingent benefits of group discussion. ArXiv: <https://arxiv.org/abs/2009.07202>
- Rod Abhari†, Nick Vincent†, Henry Dambanemuya†, Herminio Bodon† and **Emőke-Ágnes Horvát**. Engagement with retracted papers on Twitter: Who, when, and how? ArXiv: <https://arxiv.org/abs/2203.04228>
- Rod Abhari†, Esteban Villa-Turek†, Nick Vincent†, Henry Dambanemuya† and **Emőke-Ágnes Horvát**. Retracted COVID-19 articles spread vaccine misinformation on Twitter. ArXiv: <https://arxiv.org/abs/2303.16302>

WORK IN PROGRESS

- Orsolya Vásárhelyi†, Julia Barnett†, Staša Milojević and **Emőke-Ágnes Horvát**. Intersectional inequalities in the impact of online visibility on scientific success **Best Student Paper Award, ICSSI**
- Henry K. Dambanemuya†, Johannes Wachs and **Emőke-Ágnes Horvát**. A network-based approach to understanding signalling and irrational herding online **Top Student Paper Award, ICA**
- Manuel S. Mariani†, Federico Battiston, **Emőke-Ágnes Horvát**, Giacomo Livan, Federico Musciotto and Dashun Wang. Collective dynamics behind success: regularities, mechanisms, and predictive signals
- Henry K. Dambanemuya†, **Emőke-Ágnes Horvát** and Daniel Romero. Predicting persuasion success with network-based machine learning tools
- Rod Abhari†, Stefanie Demetriades, **Emőke-Ágnes Horvát** and Nathan Walter. Audience polarization and the multi-platform communication ecology
- Jose Cordova†, Daniel Romero and **Emőke-Ágnes Horvát**. Online dissemination of scientific articles: How temporal, structural, and content features of early mentions impact virality
- Maalvika Bhat†, **Emőke-Ágnes Horvát** and Daniel Romero. Understanding clickbait in multiplatform science dissemination

Invited presentations & panels

1. *Invited colloquium talk*. Science on the Web: How networks bias academic communication online. Northwestern Institute on Complex Systems Seminar, Northwestern University, Evanston, IL, 2023
2. *Invited colloquium talk*. Science on the Web: How networks bias academic communication online. Computational Social Science Seminar. MIT, Boston, MA, 2022
3. *Invited colloquium talk*. Science on the Web: How networks bias academic communication online. Open Lab Seminar Series of the Cultural Data Analytics (CUDAN) Chair, Tallinn University, Estonia, remotely, 2022
4. *Invited colloquium talk*. Science on the Web: How networks bias academic communication online. International Roundtable on Computational Social Science. Institute for Analytical Sociology (IAS), Linköping University, Sweden, remotely, 2022

5. *Invited colloquium talk*. Science on the Web: How networks bias academic communication online. Responsible Data Science and AI. University of Illinois at Urbana-Champaign (UIUC), remotely, 2022
6. *Invited colloquium talk*. Creativity and Collaboration: New Opportunities. Lambert Conference on the Future of Human Computer Interaction + Design. Northwestern University, Evanston, IL, 2022
7. *Invited talk*. Data science of science: Directions and considerations. Datatopia: The future of scientific discovery through a data lens. Michigan Institute for Data Science (MIDAS), University of Michigan, Ann Arbor, MI, 2022
8. **Keynote**. Networks in online scholarly communication. International School and Conference on Network Science (NetSci), Shanghai, China, remotely, 2022
9. *Invited panel talk*. Gender inequalities in the online dissemination of scholars' work. Gender gaps in digital spaces: How to use computational research to inform interventions that address inequities, Annual Meeting of the International Communication Association (ICA), Paris, France, 2022
10. *Invited colloquium talk*. Gender inequalities in the online dissemination of scholars' work. Social Equity & Racial Justice Seminar Series, SERJ Seminar, McCormick School of Engineering, Northwestern University, Evanston, IL, 2022
11. *Invited colloquium talk*. Understanding online scholarly communication through a Big Data lens. Complexity Science Hub Vienna, remotely, 2021
12. *Invited colloquium talk*. Gender inequities in the online dissemination of scholars' work. Department of Communication and Media Research, University of Zurich, remotely, 2021
13. *Invited talk*. Quantitative approaches to understanding online scholarly communication. Department of Methodology, London School of Economics, remotely, 2021
14. *Invited talk*. Big data & science communication research. Science and Practice of Civic Science, Fellows Workshop, Rita Allen Foundation, remotely, 2021
15. *Invited colloquium talk*. Equity and quality: The case of online scholarly communication. Data Science/Computational Social Science Seminar Series. School of Information, University of Michigan, remotely, 2021
16. *Invited colloquium talk*. Studying online scholarly communication at scale using network science and machine learning. Complex Systems Seminar. Department of Physics and Astronomy, Northwestern University, remotely, 2021
17. *Invited colloquium talk*. Diffusion of scientific articles across online platforms. ANET Lab, Hungarian Academy of Sciences, remotely, 2021
18. *Invited colloquium talk*. Studying online scholarly communication at scale using network science and machine learning. Department of Life Sciences Communication, University of Wisconsin–Madison, remotely, 2021
19. *Invited talk*. The science of sharing and the sharing of science: Using machine learning to study online scholarly communication. AI@NU Presentation Series, remotely, 2020
20. *Invited talk*. Gendered collaboration patterns and success in music and academia. Quantifying Success satellite at the International School and Conference on Network Science (NetSci), remotely, 2020

21. *Invited talk.* The science of sharing and the sharing of science: Diffusion of scientific articles across online platforms. 45th Middle European Cooperation in Statistical Physics (MECO), remotely, 2020
22. *Invited colloquium talk.* Women making music: How are cultural production networks in the music industry linked to gender inequities? Computation & Creativity Research Networking Luncheons, Northwestern University, Evanston, IL, 2019
23. *Invited colloquium talk.* Cultural Analytics: How network science and big data help understand culture. Annenberg School for Communication and Journalism, USC, Los Angeles, CA, 2019
24. *Invited colloquium talk.* The science of sharing and the sharing of science: Diffusion of scientific articles across online platforms. Computer Science Department Colloquium, Northwestern University, Evanston, IL, 2019
25. *Invited panelist.* Complex Systems Perspectives on Algorithmic Bias Workshop. 13th International Conference on Web and Social Media (ICWSM), Munich, Germany, 2019
26. *Invited panelist.* Igniting a TON (Technology, Organizing, and Networks) of insights: Recognizing the contributions of Janet Fulk and Peter Monge in shaping the future of communication research. Annual Meeting of the International Communication Association (ICA), Washington, DC, 2019
27. *Invited participant.* All boats rise? Social capital, promise and peril. Amazon HQ, Seattle, WA, 2018
28. *Invited panelist.* Hey Siri, are you my friend? Exploring humanity's relationship with artificial intelligence. Veritas Forum, Northwestern University, Evanston, IL, 2018
29. *Invited colloquium talk.* Early signals for the wisdom of crowds in crowdfunding. Northwestern Institute on Complex Systems Seminar, Northwestern University, Evanston, IL, 2018
30. *Invited discussant.* Crowdfunding scientific research. NBER Workshop on Advancing the Science of Science Funding, Boston, MA, 2018
31. *Invited participant.* Social Science Foo Camp, Facebook HQ, Menlo Park, CA, 2018
32. *Invited lecture.* Novelty and success in equity crowdfunding. Chicago Summer Institute in Computational Social Science (SICSS), Evanston, IL, 2018
33. *Invited talk.* Women making music. Arts, Culture, Technology (ACT) and Network Science satellite at the International School and Conference on Network Science (NetSci), Paris, France, 2018
34. *Invited talk.* The role of novelty in securing investors for equity crowdfunding campaigns. Computational Social Science Research Networking Luncheon, Northwestern University, Evanston, IL, 2018
35. *Invited colloquium talk.* On the link between ranking in citation networks and popularity. University of Huston, Huston, TX, 2018
36. *Invited colloquium talk.* Early signals of crowd wisdom on online capital markets. Indiana University Network Science Institute, Bloomington, IN, 2018
37. *Invited colloquium talk.* Collective intelligence in crowdfunding. Department of Psychology, Weinberg College of Arts and Sciences, Northwestern University, Evanston, IL, 2017

38. *Keynote*. Hidden indicators of collective intelligence in crowdfunding. International Conference on Computational Social Science (IC²S²), Cologne, Germany, 2017
39. *Invited talk*. Gender differences in equity crowdfunding. Gendered Creative Teams Workshop, Budapest, Hungary, 2017
40. *Invited talk*. Hidden structures in cultural citation networks. 8th Workshop on Complex Networks (CompleNet), Dubrovnik, Croatia, 2017
41. *Invited talk*. Hidden indicators of collective intelligence in crowdfunding. WebScience@10, Evanston, IL, 2016
42. *Invited colloquium talk*. Product-to-product networks in cultural industries: Measuring long-term influence in film. MORS Department Talk Series, Kellogg School of Management, Northwestern University, Evanston, IL, 2016
43. *Invited colloquium talk*. The network of cultural products: Measuring long-term influence in the film industry. Northwestern Institute on Complex Systems Seminar, Northwestern University, Evanston, IL, 2016
44. *Talk selected into the Young Researcher Session*. Blockbusters or art cinema: Which productions write film history? Identifying central films in a multiplex film citation network. International School and Conference on Network Science (NetSci), Copenhagen, Denmark, 2013
45. *Invited colloquium talk*. Predicting links between non-members of Facebook. Interdisciplinary Center for Network Science and Applications (iCeNSA), Notre Dame University, South Bend, IN, 2012

Teaching & Advising

GRADUATE ADVISOR AND DISSERTATION CHAIR

- Maalvika Bhat, Technology and Social Behavior, Department of Communication Studies & Computer Science (2022–present)
- Jose Cordova, Technology and Social Behavior, Department of Communication Studies & Computer Science (2022–present)
- Richard Zhang, Technology and Social Behavior, Department of Communication Studies & Computer Science (2022–present)
- Katherine O’Toole, Technology and Social Behavior, Department of Communication Studies & Computer Science (2020–present)
- Rod Abhari, Media, Technology and Society, Department of Communication Studies (2020–present)
- Henry Dambanemuya, Technology and Social Behavior, Department of Communication Studies & Computer Science (2018–present) *Northwestern University Presidential Fellow Awardee & Winner of a Top Student Paper Award, ICA*

GRADUATE DISSERTATION COMMITTEE MEMBER AND SUPERVISOR OF QUALIFYING EXAMS

- Nicholas Hagar, Media, Technology and Society, Department of Communication Studies (2023, now data scientist at the New York Times)
- Jack Bandy, Technology and Social Behavior, Department of Communication Studies & Computer Science (2023, now Assistant Professor of Computer Science at Transylvania University, Lexington, KY)
- Zachary Gibson, Technology and Social Behavior, Department of Communication Studies & Computer Science (2021, now postdoc at the Institute for Veterans and Military Families, Syracuse University)
- Kyosuke Tanaka, Media, Technology and Society, Department of Communication Studies (2021, now postdoc at Aarhus University, Denmark)
- Aymeric Punel, Department of Civil and Environmental Engineering (2019, now senior data scientist at Boston Consulting Group)

EXTERNAL GRADUATE DISSERTATION COMMITTEE MEMBER AND/OR SUPERVISOR OF VISITING STUDENT

- Jiaxin Pei, School of Information, University of Michigan (UMSI), Ann Arbor, MI, USA (expected in 2024)
- Yulin Yu, School of Information, University of Michigan (UMSI), Ann Arbor, MI, USA (2023)
- Orsolya Vásárhelyi, Department of Network and Data Science, Central European University (CEU), Budapest, Hungary (2020, now research fellow at Corvinus University of Budapest)

MASTER'S THESIS ADVISOR

- Jorie Goins, MS in Leadership for Creative Enterprises (expected in 2023)
- Jianing Jin, MS in Leadership for Creative Enterprises (expected in 2023)
- John Grewell, MS in Leadership for Creative Enterprises (2022)
- Holly Holcomb, MS in Leadership for Creative Enterprises (2021, now at Netflix)
- Igor Zakhlebin, Technology and Social Behavior, Department of Communication Studies & Computer Science (2019, now data scientist at 3Red Partners)

MASTER'S THESIS COMMITTEE MEMBER

- Sohyeon Hwang, Media, Technology and Society, Department of Communication Studies (2021)
- Nicholas Hagar, Media, Technology and Society, Department of Communication Studies (2020)

UNDERGRADUATE HONORS THESIS MENTOR

- Madison Daum, Department of Communication Studies (2022)

GRADUATE RESEARCH ADVISOR

- Maalvika Bhat, Technology and Social Behavior, Department of Communication Studies & Computer Science (2022–present)
- Jose Cordova, Technology and Social Behavior, Department of Communication Studies & Computer Science (2022–present)
- Julia Barnett, Technology and Social Behavior, Department of Communication Studies & Computer Science (2022–present)
- Richard Zhang, Technology and Social Behavior, Department of Communication Studies & Computer Science (2022–present)
- Katherine O’Toole, Technology and Social Behavior, Department of Communication Studies & Computer Science (2020–present)
- Rod Abhari, Media, Technology and Society, Department of Communication Studies (2020–present)
- Sohyeon Hwang, Media, Technology and Society, Department of Communication Studies (2020–present)
- Nicholas Hagar, Media, Technology and Society, Department of Communication Studies (2019–present)
- Henry Dambanemuya, Technology and Social Behavior, Department of Communication Studies & Computer Science (2018–present)
- Herminio Bodon, Technology and Social Behavior, Department of Communication Studies & Computer Science (2020–2021)
- Sachita Nishal, Technology and Social Behavior, Department of Communication Studies & Computer Science (2020–2021)
- Yutong Wu, Media, Technology and Society, Department of Communication Studies (2020)
- Joseph Abruzzo, Marketing, Kellogg School of Management (2020)
- Hanlin Li, Technology and Social Behavior, Department of Communication Studies & Computer Science (2019)
- John Brooks, Media, Technology and Society, Department of Communication Studies (2019)
- Kyosuke Tanaka, Media, Technology and Society, Department of Communication Studies (2018–2020)
- Igor Zakhlebin, Technology and Social Behavior, Department of Communication Studies & Computer Science (2018–2020)
- Yixue Wang, Technology and Social Behavior, Department of Communication Studies & Computer Science (2018–2019)
- Isabella Loaiza-Saa, Technology and Social Behavior, Department of Communication Studies & Computer Science (2016–2017, now graduate student at MIT Media Lab)

MASTER'S RESEARCH INTERNSHIP OR PRACTICUM ADVISOR

- Eboni Bryant-Rodgers, MS in Leadership for Creative Enterprises (2021)
- Jordan Braun, MS in Leadership for Creative Enterprises (2021)
- Amanda Swanson, MS in Leadership for Creative Enterprises (2021)
- Collin Ritter, MS in Leadership for Creative Enterprises (2018, now analyst at Pareto & Company)
- Gaoyuan Huang, MS in Leadership for Creative Enterprises (2016, now data scientist at Visa)

UNDERGRADUATE RESEARCH MENTOR AND ADVISOR

- Toma Hirose, Mathematical Methods in the Social Sciences, Weinberg College of Arts and Sciences (2023)
- Madison Daum, Communication Studies (2021–2022)
- Berit Ginsberg, Communication Studies (2021)
- Annika Weinberg, Communication Studies (2021)
- Nicole Tong, Communication Studies (2020)
- Joshua Jacobs, RTVF and Economics (2020)
- Melanie De Vincentiis, Communication Studies (2019, now graduate student at Sciences Po, France)
- Patryk Kot, RTVF and Economics (2019)
- Patricia Song, Computer Science (2018)
- Dana Choi, Mathematical Methods in the Social Sciences, Weinberg College of Arts and Sciences (2018–2019, now graduate student at MIT) **Summer Undergraduate Research Grant Recipient & Fletcher Prize Finalist**
- Shenali Perera, Communication Studies (2018) **Early Lab Research Experience Award Program**
- Sam Mandlsohn, Communication Studies (2017)

TEACHING ASSISTANT SUPERVISOR

- Henry Dambanemuya, Technology and Social Behavior, Department of Communication Studies & Computer Science (2020–2023)
- Nicholas Hagar, Media, Technology and Society, Department of Communication Studies (2020)
- Thomas Wall, MS in Leadership for Creative Enterprises (2019)
- Zachary Gibson, Technology and Social Behavior, Department of Communication Studies & Computer Science (2018–2019)
- Angela Smith, Technology and Social Behavior, Department of Communication Studies & Computer Science (2018)
- Sam Mandlsohn, Communication Studies (2017)

COURSES TAUGHT

- Complex network analysis (doctoral level, 2017–present)
Northwestern University
- Cultural and art analytics (master’s level, 2016–present)
Northwestern University, MS in Leadership for Creative Enterprises 515
- Cultural analytics (undergraduate level, 2017–present)
Northwestern University
- Social network analysis with R (doctoral level, 2014)
Heidelberg University, Germany, Institute of Geography

TEACHING ASSISTANTSHIPS

- Network analysis (undergraduate level, 2010–2011)
Heidelberg University, Department of Mathematics and Computer Science
- Algorithms and data structures (undergraduate level, 2010–2012)
Heidelberg University, Department of Mathematics and Computer Science

Service

SELECTED ACADEMIC SERVICE

Program committee co-chair. AAAI Conference on Web and Social Media (ICWSM), University at Buffalo, NY, USA 2024

Conference co-chair. ACM Web Science (WebSci), University of Austin, Austin, TX, USA 2023

Workshop co-chair. 3rd International Workshop on Scientific Knowledge: Representation, Discovery, and Assessment. ACM Web Conference, University of Austin, Austin, TX, USA 2023

Guest editor. Gender gaps in digital spaces. Special issue, Journal of Computer-Mediated Communication 2023

Panelist. National Science Foundation, Cyber-Human Systems & Human-Centered Computing Programs, Information and Intelligent Systems Division, Computer and Information Science and Engineering (CISE) 2018, 2019, 2021, 2022

Editorial board member:

- Journal of Quantitative Description: Digital Media 2020–present
- Computational Communication Research 2018–present
- PLOS ONE 2018–present

Workshop organizer. Crowdsourcing and Collective Intelligence. 9th International Conference on Complex Systems (ICCS), Boston, MA 2018

Journal reviewer:

- Nature Physics 2023

- Social Media + Society 2023
- EPJ Data Science 2023
- Computational Communication Research 2023
- Proceedings of the National Academy of Sciences (PNAS) 2022, 2023
- Nature Astronomy 2022
- Journal of Business Venturing 2022
- International Journal of Press/Politics 2022
- Nature Human Behaviour 2021
- Quantitative Science Studies 2019, 2020, 2021
- Journal of Quantitative Description: Digital Media 2020–2021
- Nature Neuroscience 2020
- Social Networks 2020
- Scientific Reports 2020
- American Sociological Review 2019–2020
- Nature Communications 2019
- Journal of Computer-Mediated Communication 2019
- Computers 2018
- Social Network Analysis and Mining 2017
- Big Data & Society 2017
- Entropy 2017
- Scientometrics 2015
- Journal of Complex Networks 2014
- Bioinformatics 2013

Conference reviewer:

- AAAI International Conference on Web and Social Media (ICWSM) 2020–2022
- International Conference on Computational Social Science (IC²S²) 2018–2022
- ACM Conference on Computer-Supported Cooperative Work and Social Computing (CSCW) 2020–2021, 2022
- International School and Conference on Network Science (NetSci) 2020–2022
- ACM Conference on Web Science (WebSci) 2019
- Annual Conference of the International Communication Association (ICA) 2018–2019
- ACM Collective Intelligence Conference 2018
- International Conference on Complex Networks (CompleNet) 2018
- International Conference on Complex Networks and Their Applications (Complex Networks) 2018
- International Conference on Social Informatics (SocInfo) 2017–2018

Conference program committee member:

- International Conference on the Science of Science and Innovation (ICSSI) 2023

- AAAI International Conference on Web and Social Media (ICWSM, Senior Program Committee) 2021–2022
- International Conference on Computational Social Science (IC²S²) 2018–2021
- International School and Conference on Network Science (NetSci & NetSci-X) 2020
- ACM Conference on Web Science (WebSci) 2019
- ACM Collective Intelligence Conference 2018
- International Conference on Complex Networks (CompleNet) 2018
- International Conference on Complex Networks and Their Applications (Complex Networks) 2018
- Digital Transformation & Global Society (DTGS) 2018
- International Conference on Social Informatics (SocInfo) 2017–2018
- Data Mining for the Analysis of Performance and Success (DAPS ICDM) 2017–2018

Reviewer for edited volume. Encyclopedia of Social Network Analysis and Mining, Springer New York 2014

UNIVERSITY SERVICE

Northwestern University

Interim director of graduate studies. Technology & Social Behavior. Department of Communication Studies & Computer Science 2022–2023

Faculty search committee. Department of Communication Studies, School of Communication 2022–2023

Graduate curriculum committee. Department of Communication Studies, School of Communication 2022–2023

Moderator. Panel on Science & Inequality. Technology & Social Behavior. Department of Communication Studies & Computer Science 2022

Planning workgroup. Data Science Initiative. Northwestern University 2022

Moderator. Panel on Tech, Media & Democracy. Technology & Social Behavior. Department of Communication Studies & Computer Science 2022

Student selection committee. Applicant reviews for Human Computer Interaction Consortium (HCIC). Center for Human Computer Interaction + Design (HCI+D), Department of Communication Studies & Computer Science 2022

Graduate admissions committee. Technology & Social Behavior. Department of Communication Studies & Computer Science 2017, 2018, 2019, 2022, 2023

Moderator. Wednesdays@NICO Seminar Series 2018–present

Graduate admissions interviewer. MS in Leadership for Creative Enterprises. Department of Communication Studies, School of Communication 2020–2022

Finance committee. Department of Communication Studies, School of Communication 2020, 2022

Moderator. Industry panel on Pitching and Producing Creative Projects. MS in Leadership for Creative Enterprises. Department of Communication Studies, School of Communication 2021

Webinar speaker. Creative Connect Summer Series. MS in Leadership for Creative Enterprises. Department of Communication Studies 2020

Committee member. School of Communication Leave Policy Working Group. School of Communication 2020

Program evaluation committee. MS in Leadership for Creative Enterprises. Department of Communication Studies, School of Communication 2020

Faculty search committee. Department of Communication Studies, School of Communication 2019–2020

Speaker series coordinator. Media, Technology & Society 2019–2020

Presenter and participant. Computation & Creativity Research Networking Luncheons 2019–2020

Selection committee. Data Science Graduate Fellowship 2018–2019

Presenter and participant. Computational Social Science Research Networking Luncheons 2017–2018

Reviewer. Data Science Initiative Research Grants 2016–2018

Faculty search committee. Management & Organizations Department, Kellogg School of Management 2016–2017

Heidelberg University

Host. 25th Anniversary of the Interdisciplinary Center for Scientific Computing (IWR) 2013

Moderator and co-organizer. Fireside Chats of the Heidelberg Graduate School of Mathematical and Computational Methods for the Sciences 2011–2012

Co-organizer. Annual Colloquium of the Heidelberg Graduate School of Mathematical and Computational Methods for the Sciences 2010

OUTREACH

Committee member. The Practice and Science of Civic Science Advisory Committee, Civic Science Fellows program. Rita Allen Foundation 2021–present

Recent media coverage (selected)

- *Data Science Conversations:* How science is (mis)communicated in online media with Damien Deighan and Phillip Diesinger (2/15/2023)
- *Deutschlandfunk:* Warum fehlerhafte Studien oft die meiste Aufmerksamkeit bekommen by Piotr Heller (7/21/2022)
- *Washington Post:* Retractions aren't a panacea for bad research by Erin Blakemore (7/9/2022)
- *Le Monde:* In science too, false information circulates better than good information by David Larousserie (7/4/2022)
- *Inside Higher Ed:* Retractions: A Missed Opportunity? by Colleen Flaherty (6/16/2022)

- *Phys.org & Northwestern News & Michigan News*: Flawed research not retracted fast enough to prevent spread of misinformation, study finds by Max Witynski and Sarah Derouin (6/14/2022)
- *Inside Higher Ed*: Female scientists don't get the mentions they deserve by Colleen Flaherty (9/22/2021)
- *Physics World*: Research by women shared less than work by male colleagues, study finds by Michael Allen (9/22/2021)
- *The Science Advisory Board*: Science's gender gap persists online as male researchers dominate mentions by Leah Sherwood (9/21/2021)
- *heidi.news*: Le travail académique des femmes est sous-représenté sur internet by Agnès Vernet (9/21/2021)
- *e-radio Canada*: Online space fails to deliver as equalizer for female scientists by Phys.org-Social Sciences (9/20/2021)
- *The Niskanen Center*, Science of Politics podcast: How the media economy drives political news by Matt Grossmann (9/8/2021)
- *RQ1*: How the pandemic (sort of) changed our news habits by Mark Coddington and Seth Lewis (8/16/2021)
- *Der Tagesspiel*: Journalistische Filterblasen by Joachim Trebbe (7/12/2021)

Professional affiliations

Association for Computing Machinery
 Network Science Society
 International Communication Association
 Women in Data Science

Language skills

- *Hungarian*: native
- *English*: bilingual
- *German*: bilingual
- *Romanian*: bilingual
- *French*: intermediate
- *Spanish*: elementary