

Henry Kudzanai Dambanemuya

Email: henry@dambanemuya.com

URL: <https://www.dambanemuya.com/>

Education

- 2024 Ph.D. in Technology & Social Behavior, Northwestern University
- 2021 M.Sc. in Technology & Social Behavior, Northwestern University
- 2017 M.A. in International Peace Studies, University of Notre Dame
- 2013 B.A. in Computer Science & Conflict Studies, DePauw University

Publications & Talks

JOURNAL ARTICLES

- 2021a Dambanemuya, H.K., and Diakopoulos, N (2021), “Auditing the Information Quality of News-Related Queries on the Alexa Voice Assistant”, *Proc. ACM: Computer-Supported Cooperative Work*, CSCWI, Article 83. DOI: <https://doi.org/10.1145/3449157>
- 2021b Dambanemuya, H.K., and Horvát E-Á (2021), “A Multi-Platform Study of Crowd Signals Associated with Successful Online Fundraising”, *Proc. ACM: Computer-Supported Cooperative Work*, CSCWI, Article 115. DOI: <https://doi.org/10.1145/3449189>
- 2021c Dambanemuya, H.K., Lin, H., and Horvát E-Á (2021), “Characterizing Online Media on COVID-19 During the Early Months of the Pandemic”, *Journal of Quantitative Description: Digital Media*, 1(1), pp.1-31. DOI: <https://doi.org/10.51685/jqd.2021.014>
- 2017 Nigam, A., Dambanemuya, H.K., Joshi, M., and Chawla, N.V (2017). “Harvesting Social Signals to Inform Peace Processes Implementation and Monitoring”, *Big Data*, 5(4), pp.337-355. DOI: <https://doi.org/10.1089/big.2017.0055>

PEER-REVIEWED ARCHIVAL CONFERENCE PROCEEDINGS

- 2024 Dambanemuya, H.K., Romero, D., and Horvát E-Á (2024), “Emergent Influence Networks in Good-Faith Online Discussions”, *Proc. International AAAI Conference on Web and Social Media (ICWSM)*. forthcoming
- 2023a Dambanemuya, H.K., Wachs, J., and Horvát E-Á (2023), “Understanding (Ir)rational Herding Online”, *Proc. ACM Collective Intelligence Conference*. DOI: <https://doi.org/10.1145/3582269.3615598>
- 2023b Horvát E-Á, Dambanemuya, H.K., Uparna, J.S., and Uzzi, B (2023), “Hidden Indicators of Collective Intelligence in Crowdfunding”, *Proc. ACM Web Conference*. DOI: <https://doi.org/10.1145/3543507.3583414>

- 2019a Dambanemuya, H.K., Joshi, M., and Horvát E-Á (2019), “Network Perspective on the Efficiency of Peace Accords Implementation”, *Proc. IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining (ASONAM)*, pp.341-348, IEEE. DOI:<https://doi.org/10.1145/3341161.3342895>
- 2019b Dambanemuya, H.K., and Horvát E-Á (2019), “Network-Aware Multi-Agent Simulations of Herder-Farmer Conflicts”, *Proc. IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining (ASONAM)*, pp.721-722, IEEE. DOI:<https://doi.org/10.1145/3341161.3343682>

BOOK CHAPTER

- 2023 Diakopoulos, N., Bandy, J., and Dambanemuya, H.K (2023), “Auditing Human-Machine Communication Systems Using Simulated Humans”, *The SAGE Handbook of Human-Machine Communication*. Eds. Guzman, A.L., McEwen, R., and Jones, S. SAGE Publishing.

PEER-REVIEWED NON-ARCHIVAL PUBLICATIONS & EXTENDED ABSTRACTS

- 2023a Dambanemuya, H.K., Romero, D., and Horvát E-Á (2023), “Predicting Persuasion Success with Network-Based Machine-Learning Tools”, *International School and Conference on Network Science (NetSci)*.
- 2023b Abhari, R., Dambanemuya, H.K., Vincent, N., Villa-Turek, E., and Horvát E-Á (2023), “Misinformation from The Circulation of Retracted COVID-19 Articles on Twitter”, *International Conference on the Science of Science and Innovation (ICSSI)*.
- 2022a Dambanemuya, H.K., and Horvát E-Á (2022), “A Network-Based Approach to Understanding Signaling and Irrational Herding Behavior Online”, *72nd Annual International Communication Association (ICA) Conference*. **Best Student Paper Award**.
- 2022b Dambanemuya, H.K., Choi, E., Gergle, D., and Horvát E-Á (2022), “Universal Crowd Behavior Predicts Success in Crowdfunding. 2022”, *8th International Conference on Computational Social Science (IC2S2)*.
- 2022c Dambanemuya, H.K., Wachs, J., and Horvát E-Á (2022), “Emergent Networks of Herding in Online Peer-to-Peer Lending”, *8th International Conference on Computational Social Science (IC2S2)*.
- 2022d Abhari, R., Vincent, N., Dambanemuya, H.K., and Horvát E-Á (2022), “Polarization and Conspiracy in Tweets about Retracted COVID-19 Research”, *8th International Conference on Computational Social Science (IC2S2)*.
- 2022e Abhari, R., Vincent, N., Dambanemuya, H.K., Bodon, H., and Horvát E-Á (2022), “Engagement with Retracted Articles on Twitter: Who, When, and How?”, *8th International Conference on Computational Social Science (IC2S2)*.

- 2021a Dambanemuya, H.K., and Diakopoulos, N (2021), “Alexa, what is going on with the impeachment? Evaluating smart speakers for news quality”, *Computation + Journalism Symposium*.
- 2021b Dambanemuya, H.K., Choi, E., Gergle, D., and Horvát E-Á (2021), “An Experimental Study of the Effectiveness of Crowd Signals in Online Fundraising”, *7th International Conference on Computational Social Science (IC2S2)*.
- 2020a Dambanemuya, H.K., Joshi, M., and Horvát E-Á (2020), “Efficient Pathways for Peace Accords Implementation: A Network Approach”, *6th International Conference on Computational Social Science (IC2S2)*.
- 2020b Dambanemuya, H.K., Joshi, M., and Horvát E-Á (2020), “Network Interventions for Peace Accords Implementation”, *International School and Conference on Network Science (NetSci)*.
- 2020c Dambanemuya, H.K., and Horvát E-Á (2020), “Inferring Irrational Lending Behavior from Implicit Herding Networks”, *International School and Conference on Network Science (NetSci)*.
- 2020d Dambanemuya, H.K., and Horvát E-Á (2020), “Harnessing Collective Intelligence in P2P Lending”, *ACM Collective Intelligence*.
- 2019 Dambanemuya, H.K., and Horvát E-Á (2019), “Harnessing Collective Intelligence in P2P Lending”, *69th Annual International Communication Association (ICA) Conference*.

INVITED PRESENTATIONS & PANELS

- 2024 *Invited panelist*. AI and the Future of Work. Midwest Ethics Symposium, Prindle Institute for Ethics, DePauw University, Greencastle, IN.
- 2024 *Invited participant*. Future Faculty Workshop. University of Notre Dame, Notre Dame, IN.
- 2023 *Presidential Fellows Speaker Series*. Collective Intelligence in Crowd-Based Systems. Northwestern University, Evanston, IL.
- 2022 *Invited participant*. Uniting Scholars in Research. Meta, Menlo Park, CA.

PRE-PRINTS AND MANUSCRIPTS UNDER REVIEW

Dambanemuya, H.K., Choi, E., Gergle, D., and Horvát E-Á. “Beyond Words: An Experimental Study of Signaling in Crowdfunding.” Under Review, ACM Journal. [arXiv:2206.07210](https://arxiv.org/abs/2206.07210)

Dambanemuya, H.K., Abhari, R., Vincent, N., and Horvát E-Á. “Online Attention and Engagement with Retracted Articles: Who, When, and How?” Under Review, ACM Journal. [arXiv:2203.04228](https://arxiv.org/abs/2203.04228)

Abhari, R., Villa-Turek, E., Vincent, N., Dambanemuya, H.K., and Horvát E-Á. “Retracted Articles about COVID-19 Vaccines Enable Vaccine Misinformation on Twitter.” [arXiv:2303.16302](https://arxiv.org/abs/2303.16302)

Industry Experience

- 2023 *PhD Research Intern*, Dataminr (Artificial Intelligence): New York, NY
- 2022 *PhD Research Intern*, Microsoft (Office of Applied Research): Redmond, WA
- 2017 – 2018 *Data Scientist*, Chewy, Inc (Business Intelligence): Dania Beach, FL
- 2014 – 2015 *Software Engineer*, Liberty Mutual Insurance (Business Intelligence): Dover, NH
- 2013 – 2014 *Information Technology Analyst*, Liberty Mutual Insurance (Business Intelligence): Seattle, WA
- 2012 *Information Technology Intern*, Liberty Mutual Insurance: Indianapolis, IN
- 2011 *Software Quality Assurance Intern*, RICS Software: Indianapolis, IN

Teaching Experience

- Instructor Computing Everywhere (Communication Studies 159)
Spring 2021, Winter 2022, Fall 2023, Winter 2024, Spring 2024
School of Communication (SOC), Northwestern University
- TA Cultural & Art Analytics (MSLCE 515)
Fall 2020, Spring 2022, Spring 2023
School of Communication (SOC), Northwestern University
- TA Summer Institute in Computational Social Science (SICSS)
Summer 2020
Kellogg School of Management, Northwestern University
- TA Global Human Trafficking (Special Topics in Social Policy 351)
Fall 2019
School of Education and Social Policy (SESP), Northwestern University
- Grader Social Network Analysis (IEMS 441)
Fall 2019
McCormick School of Engineering, Northwestern University
- Tutor After-School Program
Fall 2015, Winter 2016, Spring 2016
Boys and Girls Clubs of St Joseph County, South Bend, IN
- Tutor After-School Program
Fall 2013, Winter 2013
Horn of Africa Services, Seattle, WA

Academic & Community Service

- 2021 – 2024 *Liaison to The Graduate School*, Society of Fellows, Northwestern University
- 2019 – 2024 *Student Volunteer*, Department Guest Speaker Series, Northwestern University
- 2019 – 2024 *Student Volunteer*, Department Prospective Student Visit, Northwestern University
- 2018 *Student Volunteer*, 4th International Conference on Computational Social Science (IC2S2), Kellogg School of Management, Northwestern University
- 2013 – 2014 *Data Analyst*, Space Humanitarian Imagery Mission (SHIM-1), Denver, CO
- 2011 – 2014 *Special Adviser*, The Sentinel Project for Genocide Prevention, Toronto, Canada
- 2011 – 2013 *Student Activist*, Raise Hope for Congo: Center for American Progress, Washington, DC

UNIVERSITY BOARDS & COMMITTEES

- 2018 – 2024 Director, Board of Directors, DePauw University Alumni Association
- 2016 – 2017 Member, Distinguished Alumni Selection Committee, Kroc Institute for International Peace Studies, University of Notre Dame
- 2012 – 2013 Ambassador, Office of the President, DePauw University
- 2012 – 2013 Advisor, Student Government Advising Committee, DePauw University
- 2012 – 2013 Member, University Review Committee, DePauw University
- 2012 – 2013 Member, International Education Committee, DePauw University
- 2011 – 2012 Member, Asher Fund Steering Committee, DePauw University
- 2011 – 2012 Member, International Student Advisory Board, DePauw University
- 2011 – 2012 Member, Community Standards Hearing Board, DePauw University
- 2010 – 2011 Member, Student Government Allocations Board, DePauw University
- 2010 – 2011 Co-Founder, E-Waste Recycling Program, DePauw University

REVIEWER FOR JOURNALS & CONFERENCES

- AAAI International Conference on Web and Social Media (ICWSM) 2020, 2022 – 2024

- CSCW: The Journal of Collaborative Computing and Work Practices 2023
- ACM Conference on Computer Supported Cooperative Work (CSCW) 2020, 2022
- International Communication Association (ICA) 2018, 2019, 2021
- Journal of Quantitative Description: Digital Media 2021
- Harvard Kennedy School Misinformation Review 2020

Honors & Awards

2021 – 2023	Presidential Fellowship \approx \$126,156, Northwestern University
2018 – 2023	Conference Travel Grants \approx \$15,000, Northwestern University
2021	Dissertation Research Grant \$1,500, Northwestern University
2018 – 2021	Graduate Student Assistantship \approx \$177,594, Northwestern University
2015 – 2017	Graduate Student Fellowship, Full Scholarship \approx \$125,800, University of Notre Dame
2016	Data Science Summer Tuition Scholarship \$2,000, University of Notre Dame
2015	Liberty Mutual Bravo Award, Liberty Mutual Insurance Company
2013	Dr. Irving Sirlin Distinguished Honor Scholar Award, DePauw University
2012 – 2013	Dean’s List, DePauw University
2012	Responsible Scholars Award, Scholarship \$1,000, Liberty Mutual Insurance Company
2012	Harold M. Schulweis Fellowship \$3,000, Jewish World Watch
2009 – 2013	President’s Award for Excellence, Full Scholarship \approx \$200,000, DePauw University