

Hannah Mieczkowski

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Education

Stanford University

PH.D., COMMUNICATION

Stanford, CA

Sept. 2017 - June 2022

- *Advisor:* Dr. Jeffrey T. Hancock
- *Dissertation Title:* AI-Mediated Communication: Examining Agency, Ownership, Expertise, and Roles of AI Systems

Stanford University

M.A., COMMUNICATION

Stanford, CA

Sept. 2017 - June 2020

- *Advisor:* Dr. Jeffrey T. Hancock

Stony Brook University

B.A., PSYCHOLOGY AND B.A., LINGUISTICS

Stony Brook, NY

Aug. 2013 - May 2017

- *Distinctions:* Valedictorian, Summa Cum Laude

Publications

An ^E denotes equal first authorship. A ⁺ denotes when I mentored an undergraduate student.

JOURNAL ARTICLES AND CONFERENCE PROCEEDINGS

Lee, A. Y.^E, **Mieczkowski, H.**^E, Ellison, N. B., Hancock, J. T. (2022, June). The Algorithmic Crystal: Conceptualizing the Self Through Algorithmic Personalization on TikTok. Accepted at *Proceedings of the ACM on Human-Computer Interaction (CSCW)*. <https://bit.ly/algorithmic-crystal>

Weiss, D.⁺, Liu, S. X., **Mieczkowski, H.**, Hancock, J. T. (2022, January). Effects of AI Use on Interpersonal Perceptions of Job Applicants. *Cyberpsychology, Behavior, and Social Networking*. <https://doi.org/10.1089/cyber.2020.0863>

Goldenthal, E.⁺, Park, J., Liu, S. X., **Mieczkowski, H.**, Hancock, J. T. (2021, December). Not All AI Are Equal: Exploring the Accessibility of AI-Mediated Communication Technology. *Computers in Human Behavior*. <https://doi.org/10.1016/j.chb.2021.106975>

Parry, D., Fisher, J. T., **Mieczkowski, H.**, Sewall, C. J. R., Davidson, B. I. (2021, December). Social Media and Well-being: A Methodological Perspective. *Current Opinion in Psychology*. <https://doi.org/10.1016/j.copsyc.2021.11.005>

Parry, D., Davidson, B. I., Sewall, C. J. R., Fisher, J. T., **Mieczkowski, H.**, Quintana, D. S. (2021, May). A Systematic Review and Meta-Analysis of Discrepancies Between Logged and Self-Reported Digital Media Use. *Nature Human Behaviour*. <https://doi.org/10.1038/s41562-021-01117-5>

Mieczkowski, H., Hancock, J. T., Naaman, M., Jung, M., Hohenstein, J. (2021, April). AI-Mediated Communication: Language Use and Interpersonal Effects in a Referential Communication Task. *Proceedings of the ACM on Human-Computer Interaction (CSCW)*. <https://doi.org/10.1145/3449091>

Mieczkowski, H., Lee, A. Y., Hancock, J. T. (2020, October). Priming Effects of Social Media Use Scales on Well-Being Outcomes: The Influence of Intensity and Addiction Scales on Self-Reported Depression. *Social Media + Society*. <https://doi.org/10.1177/2056305120961784>

Mieczkowski, H., Liu, S. X., Hancock, J. T., Reeves, B. (2019, March). Helping Not Hurting: Applying the Stereotype Content Model and BIAS Map to Social Robotics. *2019 14th ACM/IEEE International Conference on Human-Robot Interaction (HRI)*. <https://doi.org/10.1109/HRI.2019.8673307>

CONFERENCE PAPERS

Grotto, A., Guadagno, R. E., Hancock, J. T., **Mieczkowski, H.** May 2021. The Principal-Agent Framework of AI-Mediated Communication. *71st Annual ICA Conference: Engaging the Essential Work of Care: Communication, Connectedness, and Social Justice*. Virtual.

Grotto, A., Guadagno, R. E., Hancock, J. T., **Mieczkowski, H.** February 2021. Applying the Principal-Agent Framework to AI-Mediated Communication: Psychological Implications. *AAAI-21 Workshop on AI For Behavior Change*. Virtual.

Hancock, J. T., Liu, S. X., French, M., Luo, M., **Mieczkowski, H.** May 2019. Social Media Use and Well-Being: A Meta-Analysis. *69th Annual ICA Conference: Communication Beyond Boundaries*. Washington, DC.

BOOK CHAPTERS

Liu, S. X., Arredondo, E., **Mieczkowski, H.**, Hancock, J. T., Reeves, B. 2021. A picture is (still) worth a thousand words: The impact of appearance and characteristic narratives on people's perceptions of social robots. In Engel, U., Quan-Haase, A., Liu, S.X. & Lyberg, L. (Ed.) *Routledge Handbook of Computational Social Science* (Vol. 1). Taylor & Francis. <https://doi.org/10.4324/9781003024583>

Hancock, J. T., Liu, S. X., Luo, M., **Mieczkowski, H.** 2022. Social Media and Well-Being. In Matz, S. (Ed.) *The Psychology of Technology: Social Science Research in the Age of Big Data*. American Psychological Association. <https://doi.org/10.1037/0000290-007>

Manuscripts Under Review

Mieczkowski, H., Hancock, J. T. (under review). Examining Agency, Expertise, and Roles of AI Systems in AI-Mediated Communication. <https://osf.io/asnv4/> [preprint]

Hohenstein, J., DiFranzo, D., Kizilcec, R., Aghajari, Z., **Mieczkowski, H.**, Levy, K., Naaman, M., Hancock, J. T., Jung, M. (under review). Artificial intelligence in communication impacts language and social relationships. <https://arxiv.org/abs/2102.05756> [preprint]

Presentations

*A⁺ denotes when I mentored an undergraduate student. An^E denotes equal first authorship. In all instances, unless noted with a *, I was the presenting author.*

Lee, A. Y.^{E*}, **Mieczkowski, H.**^E, Ellison, N. B., Hancock, J. T. February 2022. The Algorithmic Crystal: Conceptualizing the Self Through Algorithmic Personalization on TikTok. *72nd Annual ICA Conference: One World, One Network?*. Paris, France.

Mieczkowski, H. AI-Mediated Communication: Examining Agency and Roles of AI Systems. *72nd Annual ICA Conference: One World, One Network?*. Paris, France.

Mieczkowski, H. Agency and Ownership in AI-Mediated Communication. *Human-Machine Communication: Bridging Worlds, Bridging Networks ICA Pre-Conference*. Paris, France.

Lee, A. Y.^E, **Mieczkowski, H.**^E, Ellison, N. B., Hancock, J. T. February 2022. The Algorithmic Crystal: Conceptualizing the Self Through Algorithmic Personalization on TikTok. *Society for Personality and Social Psychology: Psychology of Media and Technology Pre-Conference*. San Francisco, CA.

Mieczkowski, H., Hancock, J. T., Naaman, M., Jung, M., Hohenstein, J. May 2021. AI-Mediated Communication: Language Use and Interpersonal Effects in a Referential Communication Task. *71st Annual ICA Conference: Engaging the Essential Work of Care: Communication, Connectedness, and Social Justice*. Virtual.

Grotto, A., Guadagno, R. E., Hancock, J. T., **Mieczkowski, H.** May 2021. The Principal-Agent Framework of AI-Mediated Communication. *71st Annual ICA Conference: Engaging the Essential Work of Care: Communication, Connectedness, and Social Justice*. Virtual.

Goldenthal, E.^{**}, Liu, S. X., Park, J., **Mieczkowski, H.**, Hancock, J. T. May 2021. Not All AI Are Equal: Exploring the Accessibility of AI-Mediated Communication Technology. *71st Annual ICA Conference: Engaging the Essential Work of Care: Communication, Connectedness, and Social Justice*. Virtual.

Weiss, D.^{**}, Liu, S. X., **Mieczkowski, H.**, Hancock, J. T. May 2021. Effects of AI Use on Interpersonal Perceptions of Job Applicants. *71st Annual ICA Conference: Engaging the Essential Work of Care: Communication, Connectedness, and Social Justice*. Virtual.

Parry, D., Davidson, B. I., Sewall, C., Fisher, J. T.^{*}, **Mieczkowski, H.**, Quintana, D. S. May 2021. Measurement Discrepancies Between Logged and Self-Reported Digital Media Use: A Systematic Review and Meta-Analysis. *71st Annual ICA Conference: Engaging the Essential Work of Care: Communication, Connectedness, and Social Justice*. Virtual.

Mieczkowski, H. March 2021. Positioning AI-Mediated Communication in the Field of Human-Machine Communication. *Human-Robot Interaction (HRI), Building Bridges and Not Walls: Expanding the Human-Machine Communication Connections Within HRI Pre-Conference*. Virtual.

- Grotto, A., Guadagno, R. E., Hancock, J. T., **Mieczkowski, H.** May 2020. Human Principals, AI Agents: The Principal-Agent Framework of AI-Mediated Communication. *Open Questions in Human-Machine Communication ICA Pre-Conference*. Gold Coast, Australia. Virtual.
- Mieczkowski, H.**, Hancock, J. T., Naaman, M. May 2020. AI-Mediated Communication: Effects on Language Production, Person Perception and Task Performance. *70th Annual ICA Conference: Open Communication*. Virtual.
- Mieczkowski, H.**, Chapman, N. April 2020. Cultural Capital, Gatekeeping, and Boundary Maintenance in the Phish Scene. *Southern Sociological Society 2020 Annual Meeting*. Jacksonville, Florida. [Canceled due to COVID-19]
- Mieczkowski, H.**, Lee, A. Y., Hancock, J. T. February 2020. Priming Effects of Social Media Use Scales on Well-Being Outcomes: The Influence of Intensity and Addiction Scales on Self-Reported Depression. *Society for Personality and Social Psychology: Psychology of Media and Technology Pre-Conference*. New Orleans, LA.
- Mieczkowski, H.**, Hancock, J. T. May 2019. AI-Mediated Communication: Effects on Linguistic Patterns, Interpersonal Dynamics and Task Performance. *Communicating with Machines: Boundless Imagination ICA Pre-Conference*. Washington, DC.
- Mieczkowski, H.**, Liu, S. X., Hancock, J. T., Reeves, B. May 2019. Helping Not Hurting: Applying the Stereotype Content Model and BIAS Map to Social Robotics. *69th Annual ICA Conference: Communication Beyond Boundaries*. Washington, DC.
- Hancock, J. T.*, Liu, S. X., French, M., Luo, M., **Mieczkowski, H.** May 2019. Social Media Use and Well-Being: A Meta-Analysis. *69th Annual ICA Conference: Communication Beyond Boundaries*. Washington, DC.
- Liu, S. X.*, Arredondo, E., **Mieczkowski, H.**, Hancock, J. T., Reeves, B. May 2019. A picture is (still) worth a thousand words: The impact of appearance and characteristic narratives on people's perceptions of social robots. *69th Annual ICA Conference: Communication Beyond Boundaries*. Washington, DC.
- Mieczkowski, H.** May 2019. The Language of 3.0: Analyzing Show Reviews on Phish.net. *Phish Studies Conference*. Corvallis, Oregon.
- Mieczkowski, H.** June 2018. Ethical Considerations and Intellectual Gains from a "Screenomics" Methodology. *Bridging the Lab and the Field: Workshop at the 12th International Conference on Web and Social Media*. Stanford, California.
- Mieczkowski, H.**, Liu, S. X., Hancock, J. T., Reeves, B. May 2018. Status and Social Robots: Perceptions Based on Physical Characteristics. *Communicating with Machines: Theory and Practice ICA Pre-Conference*. Prague, Czech Republic.

Research Experience

Current	Senior User Experience Researcher , ZS	New York, NY
2017-2022	Doctoral Researcher , Social Media Lab, Stanford University	Stanford, CA
2021	Research Intern , HCI, Dataminr	New York, NY
2020-2021	Volunteer Researcher , South Bay Coalition to End Human Trafficking	Gilroy, CA
2020	UX Research Intern , Community Integrity, Facebook	Menlo Park, CA
2019-2020	UX Researcher , Community Experiences, PRO Unlimited @ Facebook	Menlo Park, CA
2019	Data Analyst , Fit Kids	Redwood City, CA
2018	Research Assistant , PRO Unlimited @ Facebook	Menlo Park, CA
2014-2017	Research Assistant , Communication Lab, Stony Brook University	Stony Brook, NY

Fellowships, Grants & Awards

GRADUATE CAREER

A # denotes a Stanford University organization.

- 2022 **Dissertation Award (Honorable Mention)**, Psychology of Technology Institute
- 2021-2022 **Dissertation Fellowship**, Institute for Research in the Social Sciences[#]
- 2021 **Magic Grant Recipient**, Brown Institute for Media Innovation
- 2021 **Top Paper Award Recipient**, International Communication Association, Mobile Communication Division
- 2020 **Seed Grant**, Ethics, Society and Technology Hub[#] [Principal Investigator]
- 2020 **Research Grant**, Center on Philanthropy and Civil Society[#]

- 2020 **Diversity and Inclusion Innovation Funds**, Office of the Vice Provost for Graduate Education[#]
- 2020 **Data Science Scholarship**, Dataquest & AI Inclusive
- 2019-2020 **Graduate Fellowship**, McCoy Family Center for Ethics in Society[#]
- 2019-2020 **Graduate Research Fellowship**, Center for Spatial and Textual Analysis[#]
- 2019 **Magic Grant Finalist**, Brown Institute for Media Innovation
- 2018, 2019 **Travel Grant**, International Communication Association

UNDERGRADUATE CAREER

- 2017 **Ward Melville Valedictory Award**, Stony Brook University
- 2017 **Provost's Award for Academic Excellence**, Stony Brook University
- 2017 **Undergraduate Recognition for Academic Excellence**, Stony Brook University
- 2013-2017 **Academic Achievement Award**, Stony Brook University
- 2013-2017 **Presidential Scholarship**, Stony Brook University

Teaching Experience

STANFORD UNIVERSITY

- 2021 **COMM 301: Communication Research, Curriculum Development and Pedagogy**, Teaching Affiliate
- 2021 **COMM 245: Personality and Digital Media**, Teaching Assistant
- 2021 **CS 182: Ethics, Public Policy, and Technological Change**, Teaching Assistant
- 2020 **COMM 224: Lies, Trust and Tech**, Teaching Assistant
- 2019 **COMM 108: Media Processes and Effects**, Teaching Assistant
- 2019 **COMM 1B: Media, Culture, and Society**, Teaching Assistant
- 2019 **COMM 224: Lies, Trust and Tech**, Teaching Assistant
- 2018 **EFSLANG 684D: Effective Negotiation and Persuasion**, Teaching Assistant

STONY BROOK UNIVERSITY

- 2015 **PSY 240: Introduction to Social Psychology**, Undergraduate Teaching Assistant

Work and Service Experience

- Current **Student and Early Career Representative**, International Communication Association, Human-Machine Communication Interest Group
- 2020-2022 **Communication for Diversity Representative**, Department of Communication, Stanford University
- 2021 **Graduate Student Representative**, Stanford Community Resource Group, County of Santa Clara
- 2020-2021 **Graduate Co-Director of Affordability**, Associated Students of Stanford University Executive Cabinet
- 2019-2020 **PhD Student Representative**, Department of Communication, Stanford University
- 2018-2019 **Language and Orientation Tutor**, Office of the Vice Provost for Graduate Education, Stanford University
- 2016-2017 **Assistant Director**, Writing Center, Stony Brook University
- 2014-2017 **Tutor**, Writing Center, Stony Brook University

Professional Development

INVITED TALKS

“Ethical and Privacy Considerations of Personality and Digital Media Research.” June 2021. COMM 245: Personality and Digital Media, Stanford University.

“Social Media Use and Well-Being: Why Do Different Measurements Mean Different Results?” May 2021. Media Change & Innovation Division, Institute of Communication and Media Research, University of Zurich.

“AI-Mediated Communication.” November 2020. PWR 2TB: Hip-hop, Orality, and Language Diversity, Stanford University.

“Effective Listening Skills.” November 2020. Academic Transition Advising Program, Stanford University.

“*The Social Dilemma*: A Conversation with Experts.” October 2020. School of Journalism and Communication, University of Oregon. [Panelist]

“Helping Not Hurting: Applying the Stereotype Content Model and BIAS Map to Social Robotics.” September 2020. Robotics Seminar, Cornell University.

“Effective Listening Skills.” March 2020. Academic Transition Advising Program, Stanford University.

MEDIA COVERAGE

“Do Popular AI Communication Tools Favor the Privileged?” February 10, 2022. Stanford Institute for Human-Centered Artificial Intelligence. <https://hai.stanford.edu/news/do-popular-ai-communication-tools-favor-privileged>

“Everything you’ve read about the ill-effects of screen time might be based on bad data.” May 19, 2021. Fast Company. <https://www.fastcompany.com/90638549/everything-youve-read-about-the-ill-effects-of-screen-time-might-be-based-on-bad-data>

“When AI Writes Your Email.” May 6, 2020. Stanford Institute for Human-Centered Artificial Intelligence. <https://hai.stanford.edu/blog/when-ai-writes-your-email>

“Worry Over Social Media Use and Well-Being May Be Misplaced” May 30, 2019. Psychology Today. <https://www.psychologytoday.com/us/blog/brain-waves/201905/worry-over-social-media-use-and-well-being-may-be-misplaced>