# Ashley Rose Mehlenbacher, Ph.D.

Canada Research Chair in Science, Health, and Technology Communication

Professor of English
Director and PI, Demos Labs
Department of English Language & Literature
Inaugural Co-Director, TRuST network
University of Waterloo

200 University Avenue West
Waterloo, Ontario, Canada, N2L 3G1
Phone: +1 519 888 4567, ext. 49135
Email: ashley.mehlenbacher@uwaterloo.ca
Website: https://uwaterloo.ca/scholar/arkelly

## Academic Appointments

| | |
|---|---|
| 2025–present | Professor, English Language & Literature, University of Waterloo |
| 2022–present | Inaugural Co-Director (with Nobel Laureate Donna Strickland), Trust in Research Undertaken in Science and Technology (TRuST) network, University of Waterloo |
| 2021–2026 | Canada Research Chair in Science, Health, and Technology Communication (Social Sciences and Humanities Research Council Tier 2) |
| 2023, April | Visiting Researcher, Nordic Studies and Linguistics, University of Copenhagen |
| 2020–2025 | Associate Professor (tenured), English Language & Literature, University of Waterloo |
| 2015–2020 | Assistant Professor (tenure-track), English Language & Literature, University of Waterloo |
| 2014–2015 | Assistant Professor (tenure-track), Brian Lamb School of Communication, Purdue |

## Academic Affiliations

| | |
|---|---|
| 2022–present | Member, Water Institute, University of Waterloo |
| 2020–present | Member, Waterloo Climate Institute, University of Waterloo |
| 2020–present | Member, Artificial Intelligence Institute, University of Waterloo |

## Education

| | |
|---|---|
| 2010–2014 | Ph.D., Communication, Rhetoric, & Digital Media, North Carolina State University<br>Dissertation: *Hacking Science: Emerging Parascientific Genres and Public Participation in Scientific Research* (Chair: Carolyn R. Miller) |
| 2008-2010 | M.A., Rhetoric and Communication Design, University of Waterloo |
| 2005-2008 | B.A., English Literature and Rhetoric, University of Waterloo |

## Grants, Awards, and Honours

### Honours and Research Awards

| Year | Honour | Organization |
|---|---|---|
| 2024 | Arts Award for Excellence in Research | University of Waterloo's Faculty of Arts |
| 2024 | Outstanding Academic Titles 2023—Psychology for *On Expertise*, Penn State UP, 2022 | *Choice: A publication of the Association of College and Research Libraries* |
| 2023 | Outstanding Performance Award | University of Waterloo |
| 2023 | Nominated for Women of the Year (STEM) | Kitchener-Waterloo Oktoberfest |
| 2020 | Fellows' Early Career Award | Rhetoric Society of America |
| 2020 | Outstanding Performance Award | University of Waterloo |
| 2018 | Top Papers Panel | Association for the Rhetoric of Science, Technology, and Medicine |

| 2018 | CRDM Distinguished Alumni Award | Communication, Rhetoric, and Digital Media at North Carolina State University |
| 2018 | Honourable Mention, Nell Ann Pickett Award for "Crowdfunding Science" (2017) | Association of Teachers of Technical Writing |
| 2017 | Outstanding Performance Award | University of Waterloo |
| 2015 | Joan Pavelich Award for Best Dissertation | Canadian Association for the Study of Discourse and Writing |
| 2015 | Outstanding Dissertation Award in Technical Communication | NCTE/CCCC |
| 2014 | College of Humanities and Social Sciences Dissertation Award | North Carolina State University |
| 2014 | Nominated CGS/ProQuest Social Sciences Distinguished Dissertation Award | NC State University College of Humanities and Social Sciences |
| 2014 | Best Research Article on Rhetoric, Writing Studies or Discourse Studies (2013) | Canadian Association for the Study of Discourse and Writing |
| 2012 | Winner Graduate Student Research Symposium (Humanities & Design, 3rd place) | North Carolina State University |
| 2009 | Best Graduate Student Paper Competition & Design | Association for Computing Machinery Special Interest Group on Design of Communication |
| 2009 | Graduate Student Competition (Honourable Mention) | New York College English Association |

Grants and Sponsored Research

| Year | Program | Role | Project | Funding |
|------|---------|------|---------|---------|
| active, 2021-2026 | Tier 2 SSHRC Canada Research Chair | PI | Science, Health, and Technology Communication | 600,000 CAD |
| closed 2021-24 | CFI-JELF/ORF | PI | Demos Lab | 60,000 CAD |
| active, 2020-25 | SSHRC Insight Grant | Collaborator | Engaging Science with Philosophy (PI K. Plaisance) | 188,179 CAD |
| closed, 2020–2023 | UW/SSHRC Robert Harding & Lois Claxton Humanities and Social Sciences Grant | PI | Genre Across Borders | 6,590 CAD |
| closed, 2020-21 | NSERC Science Communication Skills Grant | PI | RCIScience-UWaterloo Science Communication Certificate | 19,485 CAD |
| closed, 2018-23 | SSHRC Insight Grant | PI | Networked Expertise as a Novel Approach to Complex Problem Solving | 73,676 CAD |
| closed, 2017-23 | Ministry of Research, Innovation, and Science Early Researcher Award | PI | Networked Expertise as a Novel Approach to Complex Problem Solving | 140,000 CAD |
| closed, 2017 | CFI-JELF/ORF | Co-PI | UW Virtual Reality Storytelling Lab | 70,000 CAD |

| closed, 2015-18 | UW/SSHRC Seed Grant | PI | Networked Expertise in Multidisciplinary STEM Collaborations | 3,940 CAD |
|---|---|---|---|---|
| closed, 2015-17 | SSHRC Insight Grant | Collaborator | Computational Rhetoric: Schemes, Construction Grammar & Cognition (PI R. A. Harris) | 151,331 CAD |
| closed, 2016 | SSHRC Connection Grant | Co-PI | Computational Rhetoric Workshop II | 6,238 CAD |
| closed*, 2014-15 | Purdue Exploratory Research in the Social Sciences Grant | PI | Networked Expertise in Multidisciplinary STEM Collaborations | 15,510 USD |
| closed*, 2014-15 | Purdue Research Initiative Grant | PI | Hacking Science: Grassroots Organizing and Networked Expertise | 2,174 USD |
| closed, 2011 | Research in Motion Corporate Philanthropy | PI | NC State Rhetoric Society of America Student Chapter | 500 CAD |
| *Funds not spent and returned because I moved institutions.* | | | | |

---

# Publications

---

Books

**Monographs**

[4] **Mehlenbacher, A. R.** (2022). *On Expertise: Cultivating Character, Goodwill, and Practical Wisdom.* University Park, PA: Penn State University Press. Rhetoric Society of America (RSA) Series in Transdisciplinary Rhetoric. 198pp. ISBN: 978-0-271-09277-5.

↪ Outstanding Academic Titles 2023—Psychology. *CHOICE: A publication of the Association of College and Research Libraries.*

↪ The Top 75 Community College Titles: January 2023 Edition, Social & Behavioral Sciences. *CHOICE: A publication of the Association of College and Research Libraries.*

↪ Reviewed by Metag, J. (2023). *Public Understanding of Science.* 32(2): 257–258.

↪ Reviewed by Taylor Jr., L. H. (January 2023). *CHOICE: A publication of the Association of College and Research Libraries,* 60(5).

↪ Reviewed by Au, L. (2023). *Contemporary Sociology.* 52(5): 465–466.

[3] **Mehlenbacher, A. R.** (2019). *Science Communication Online: Engaging Experts and Publics on the Internet.* Columbus, OH: The Ohio State University Press. 200pp. ISBN 978-0-814-21398-8. Available online (CC BY-NC-ND license): https://kb.osu.edu/handle/1811/87159.

↪ Reviewed by Mitchell, S. S. D. (2020). *Canadian Journal of Communication, 45*(2): 361–363.

↪ Reviewed by Roundtree, J. (2020). *Southern Journal of Communication, 85*(3): 207–208.

↪ Reviewed by Buntrock, R. E. (December 2019). *CHOICE: A publication of the Association of College and Research Libraries,* 57(4).

**Textbook**

[2] Thaiss, C. & **Mehlenbacher, A. R.** (under contract). *Writing Science In the Twenty-First Century.* Second edition. Peterborough, ON: Broadview Press.

**Edited book**

[1] Miller, C. R., & **Mehlenbacher, A. R.** (Eds.). (2017). *Emerging Genres in New Media Environments.* London, UK: Palgrave Macmillan. 308pp. ISBN: 978-3-319-40295-6.

↪ Reviewed by Smith, T. S. (2020). *Canadian Journal for Studies in Discourse and Writing/Rédactologie, 30*, 323–327.
↪ Reviewed by Hinson, K. (2018). *Technical Communication Quarterly, 27*(4), 380–385.

Edited Special Issue

[1] Kittle Autry, M., & **Mehlenbacher, A. R.** (2012). Eds. Computers and Writing Special Issue: Architexture. *Enculturation: A Journal of Rhetoric, Writing, and Culture 14.*

Journal Articles (an underline indicates trainee co-authors)

[29] Weaver, K. Mercer, K., **Mehlenbacher, A.,** & Virdi, M. (2025). Do We Trust Ourselves? Is The Human the Weak Link. *IFLA Journal.* OnlineFirst. DOI: 10.1177/03400352251315845 .

[28] **Mehlenbacher, A. R.,** & Mehlenbacher, B. (2025). Misinformation as Genre Function: Insights on the Infodemic from a Genre-Theoretical Perspective. *Technical Communication Quarterly 34* (1), 130–144. DOI: 10.1080/10572252.2024.2367779

[27] **Mehlenbacher, A. R.** (2024). On Memory and Figural Thought. *Rhetor: Journal of the Canadian Society for the Study of Rhetoric/Société Canadienne pour l'Étude de la Rhétorique 9,* 65–87.

[26] **Mehlenbacher, A. R.**, Doody, S., Eckert, C., & Mehlenbacher, B. (2024). Prolepsis and Rendering Futures in Intergovernmental Panel on Climate Change Reports. *Written Communication 41* (2), 352–377. DOI: 10.1177/07410883231222882.

[25] Mehlenbacher, B., Balbon, A. P., & **Mehlenbacher, A. R.** (2024). Synthetic Genres: Expert Genres, Non-Specialist Audiences, and Misinformation in the Artificial Intelligence Age. *Journal of Technical Writing and Communication.* 27pp. DOI: 10.1177/00472816231226249.

[24] Moriarty, D. & **Mehlenbacher, A. R.** (2024). Reddit and Engaged Science Communication Online: An Examination of Reddit's R/Science Ask-Me-Anythings and Science Discussion Series. *Technical Communication Quarterly 33*(1), 54–70. DOI: 10.1080/10572252.2023.2194676.

[23] **Mehlenbacher, A. R.**, Eckert, C., Doody, S., Forst, S., & Mehlenbacher, B. (2023). Proleptic Logics in Media Coverage of the IPCC Sixth Assessment Report, Part I. *Rhetoric Review, 42*(3), 154–168.

[22] Lehnert, A., Doody, S., Steinburg, J., & **Mehlenbacher, A. R.** (2023). A Communicational Disconnect: Establishing Superordinate Identities in Climate Communication Through Transgenerational Responsibility. *Technical Communication Quarterly, 32*(3), 303–309. DOI: 10.1080/10572252.2023.2210204.

[21] Mehlenbacher, B. & **Mehlenbacher, A. R.** (2021). The Rhetoric of Big Data: Collecting, Interpreting, and Representing in the Age of Datafication. *POROI: An Interdisciplinary Journal of Rhetorical Analysis and Invention.*

[20] **Mehlenbacher, A. R.** (2021). Genre Across Borders. *Rhetor, the Journal of the Canadian Society for the Study of Rhetoric, 8*(1), 80–85.

[19] Moriarty, D., & **Mehlenbacher, A. R.** (2019). The Coaxing Architecture of Reddit's r/science: Adopting Ethos-assessment Heuristics to Evaluate Science Experts on the Internet. *Social Epistemology, 33*(6), 514–524. DOI: 10.1080/02691728.2019.1637964.

[18] **Mehlenbacher, A. R.** (2019). Registered Reports: An Emerging Scientific Research Article Genre. *Written Communication, 36*(1), 38–67. DOI: 10.1177/0741088318804534.

[17] Moriarty, D., Núñez de Villavicencio, P., Black, L. A., Cai, H., Bustos, M., Mehlenbacher, B., and **Mehlenbacher, A. R.** (2019). Durable Research, Portable Findings: Rhetorical Methods in Case Study Research. *Technical Communication Quarterly, 28*(2), 124–136. DOI: 10.1080/10572252.2019.1588376.

[16] Fargo Ahern, K., & **Mehlenbacher, A. R.** (2018). Listening for Genre Multiplicity in Classroom Soundscapes. *Enculturation: A Journal of Rhetoric, Writing, and Culture, 26*. 22pp. Available online: http://enculturation.net/listening-for-genre-multiplicity.

[15] **Mehlenbacher, A. R.** (2017). Rhetorical Figures as Argument Schemes—The Proleptic Suite. *Argument & Computation, 8*(3), 233–252. DOI: 10.3233/AAC-170028.

[14] **Mehlenbacher, A. R.** (2017). Crowdfunding Science: Exigencies and Strategies in an Emerging Genre of Science Communication. *Technical Communication Quarterly, 26*(2), 127–144.
DOI: 10.1080/10572252.2017.1287361

[13] **Mehlenbacher, A. R.**, & Harris, R. A. (2017). A Figurative Mind: Gertrude Buck's *The Metaphor* as a Nexus in Cognitive Metaphor Theory. *Rhetorica: A Journal of the History of Rhetoric, 35*(1), 75–109. DOI: 10.1525/rh.2017.35.1.75.

[12] Brock, K., & **Mehlenbacher, A. R.** (2017). Rhetorical Genres in Code. *Journal of Technical Writing and Communication, 48*(4), 383–411. DOI: 10.1177/0047281617726278.

[11] Mehlenbacher, B., **Kelly [now Mehlenbacher], A. R.**, Kampe, C., & Kittle Autry, M. (2017). Instructional Design for Online Learning Environments and the Problem of Collaboration in the Cloud. *Journal of Technical Writing and Communication, 48*(2), 199–221. DOI: 10.1177/0047281616679112.

[10] Kampe, C., **Mehlenbacher, A. R.**, & Hartzog, M. (2017). Ecological Endgames: Ludic Representations of Anthropocene. *Ethos: A Digital Review of Arts, Humanities, and Public Ethics. 3*(2), 4–24.

[9] Miller, C. R., Walsh, L., Wynn, J., **Kelly [now Mehlenbacher], A. R.**, Walker, K. C., White, W. J., Winderman, E., & 27 contributing authors. (2016). The Great Chain of Being: Manifesto on the Problem of Agency in Science Communication. *POROI: An Interdisciplinary Journal of Rhetorical Analysis and Invention, 12*(1), 1–8. DOI: 10.13008/2151-2957.1246.

[8] **Mehlenbacher, A. R.**, & Maddalena, K. (2016). Networks, Genres, and Complex Wholes: Citizen Science and How We Act Together Through Typified Text. *Canadian Journal of Communication, 41*(2), 285–301.

[7] Mehlenbacher, B., Kittle Autry, M., & **Kelly [now Mehlenbacher], A. R.** (2015). Instructional Design for STEM-based Collaborative, Co-located Classroom Composition. *IEEE Transactions on Professional Communication, 58*(4), 396–409. DOI: 10.1109/TPC.2016.2517538.

[6] **Mehlenbacher, A. R.**, & Maddalena, K. (2015). Harnessing Agency for Efficacy: 'Foldit' and Citizen Science. *POROI: An Interdisciplinary Journal of Rhetorical Analysis and Invention, 11*(1), 1–20. DOI: 10.13008/2151-2957.1184.

[5] **Mehlenbacher, A. R.**, Miller, C. R., Fanning, S., Kessler, M., Graham, S. S., & Card, D. (2015). Expertise and Data in the Articulation of Risk. *POROI: An Interdisciplinary Journal of Rhetorical Analysis and Invention, 11*(1), 1–9. DOI: 10.13008/2151-2957.1224.

[4] **Mehlenbacher, A. R.**, & Kittle Autry, M. (2013). Access, Accommodation, and Science: Knowledge in an 'Open' World. *First Monday, 18*(6). DOI: 10.5210/fm.v18i6.4341.

[3] Kinsella, W. J., **Kelly [now Mehlenbacher], A. R.**, & Kittle Autry, M. (2013). Risk, Regulation, and Rhetorical Boundaries: Claims and Challenges Surrounding a Purported Nuclear Renaissance. *Communication Monographs, 80*(3), 278–301. DOI: 10.1080/03637751.2013.788253.

[2] Kittle Autry, M., & **Kelly [now Mehlenbacher], A. R.** (2012). Introduction to the Special Issue: Computers & Writing 2012, ArchiTEXTure. *Enculturation: A Journal of Rhetoric, Writing, and Culture, 14.*

[1] Kittle Autry, M., & **Kelly [now Mehlenbacher], A. R.** (2012). Merging Duke Energy and Progress Energy: Online Public Discourse, Post-Fukushima Reactions, and the Absence of Environmental Communication. *Environmental Communication, 6*(2), 278–284. DOI: 10.1080/17524032.2012.672444.

## Book Chapters

[16] **Mehlenbacher, A. R.,** & Mehlenbacher, B. (accepted, in production). Vituperation and Expert Ethos in Public Science: Censure of Public Health Officials in the COVID-19 Era. In Pamela Pietrucci & Leah M Ceccarelli (Eds.). *Scientists, Politics, and the Rhetoric of Public Controversy*. Springer.

[15] **Mehlenbacher, A. R.** (accepted, anticipated 2026). Metaphorology and Figural Logics. In D. M. Gross, S. Mailloux, & L. Mao (Eds.), *Cambridge History of Rhetoric, Volume 5: Modern Rhetoric after 1900*. Cambridge, UK: Cambridge University Press.

[14] Mehlenbacher, B., & **Mehlenbacher, A. R.** (2023). Peer Review and Hidden Modalities of Research Process Genres. In Liliana Cecilia Vásquez Rocca, Natasha Artemeva, & Chloe Grace Fogarty-Bourget (Eds.). *Multimodality Studies in International Contexts*. (pp. 241–256). New York, NY: Routledge.

[13] **Mehlenbacher, A. R.** (2023). Proleptic Suite. In J. Fahnestock & R. A. Harris (Eds.), *Routledge Handbook on Language and Persuasion*. (pp. 278–292). New York, NY: Routledge.

[12] Mehlenbacher, B., & **Mehlenbacher, A. R.** (2022). Peer Review in Scientific Publishing. In C. Hanganu-Bresch, M. Zerbe, G. Cutrufello, & S. Maci (Eds.), *The Routledge Handbook of Scientific Communication*. (pp. 80-89). New York, NY: Routledge.
↪ *The Routledge Handbook of Scientific Communication* won Best Edited Collection by the Association for Writing Across the Curriculum and the WAC Clearinghouse, 2023.

[11] **Mehlenbacher, A. R.,** & Mehlenbacher, B. (2020). Rogue Rhetorical Actors: Scientists and the Social Action of Tweeting Climate Change Facts. In S. Auken & C. Sunesen (Eds.), *Genre in the Climate Debate* (pp. 179–193). Berlin, Germany: Mouton–De Gruyter Open Poland.

[10] Mehlenbacher, B. & **Mehlenbacher, A. R.** (2020). Distance Learning. In A. Tatnall (Ed.), *Encyclopedia of Education and Information Technologies* (pp. 612–622). New York, NY: Springer. DOI: 10.1007/978-3-319-60013-0_66-1.

[9] **Mehlenbacher, A. R.** (2019). Exploring Conversations about Science in New Media. In L. Olman & D. Gruber (Eds.), *Routledge Handbook of Language and Science* (pp. 333–343). New York, NY: Routledge.

[8] **Mehlenbacher, A. R.**, & Mehlenbacher, B. (2019). The Case of the Scientific Research Article and Lessons Concerning Genre Change Online. In M. J. Luzón & C. Pérez-Llantada (Eds.), *Science Communication on the Internet* (pp. 41-57). Amsterdam, The Netherlands: John Benjamins.
↪ *Science Communication on the Internet* won the 2021 Enrique Alcáraz Research Award from the Asociación Europea de Lenguas para Fines Específicos.

[7] **Mehlenbacher, A. R.**, & Maddalena, K. (2019). Networks, Genres, and Complex Wholes: Citizen Science and How We Act Together Through Typified Text. In R. A. Harris (Ed.). *Landmark Essays on the Rhetoric of Science: Issues and Methods*. (287–304). New York, NY: Routledge. ***Reprint** of 2016 article in the *Canadian Journal of Communication*.

[6] **Mehlenbacher, A. R.**, & Miller, C. R. (2018). Intersections: Scientific and Parascientific Communication on the Internet. In R. A. Harris (Ed.). *Landmark Essays on the Rhetoric of Science: Case Studies*, 2nd edition. (239–260). New York, NY: Routledge. **\*\*\*Reprint** of 2016 chapter in A. Gross & J. Buehl (Eds.), *Science and the Internet: Communicating Knowledge in a Digital Age.*

[5] **Mehlenbacher, A. R.** (2016). Emerging Genres of Science Communication and their Ethical Exigencies. In B. Vanacker & D. Heider (Eds.), *Ethics for a Digital Age* (pp. 3–18). New York, NY: Peter Lang.

[4] Miller, C. R., & **Kelly [now Mehlenbacher], A. R.** (2016). Discourse Genres. In A. Rocci & L. de Saussure (Eds.), *Verbal Communication* (pp. 269–286). Berlin, Germany: Mouton–De Gruyter. DOI: 10.1515/9783110255478-015.

[3] **Mehlenbacher, A. R.**, & Miller, C. R. (2016). Intersections: Scientific and Parascientific Communication on the Internet. In A. Gross & J. Buehl (Eds.), *Science and the Internet: Communicating Knowledge in a Digital Age* (pp. 221–245). Amityville, NY: Baywood Press.

[2] Kinsella, W. J., **Kelly [now Mehlenbacher], A. R.**, & Kittle Autry, M. (2015). Articulating Resistance to Nuclear Power: Local Tactics and Strategic Connections in a Nuclear Construction Financing Controversy. In M. S. Meisner, N. Sriskandarajah, & S. P. Depoe (Eds.), *Communication for the Commons Revisiting Participation and Environment* (pp. 332–345). International Environmental Communication Association.

[1] **Mehlenbacher, A. R.**, Kittle Autry, M., & Mehlenbacher, B. (2014). Considering Chronos and Kairos in Digital Media Rhetorics. In G. Verhulsdonck & M. Limbu (Eds.), *Digital Rhetoric and Global Literacies: Communication Modes and Digital Practices in the Networked World* (pp. 226–246). Hershey, PA: IGI Global.

Refereed Conference Proceedings

[6] Harris, R. A., Di Marco, C., **Mehlenbacher**, A. R., Clapperton, R., Choi, I., Li, I., Ruan, S, & O'Reilly, C. (2017). A Cognitive Ontology of Rhetorical Figures. *Society for the Study of Artificial Intelligence and Simulation of Behaviour's (AISB) Cognition And Ontologies workshop*. Bath, UK: AISB, 224–231.

[5] Mehlenbacher, B., & **Kelly [now Mehlenbacher], A. R.** (2015). Assessing Student Learning: Research-based Rubrics and Evaluation Instruments for Measuring Technology-augmented Learning. *Proceedings for the International Technology, Education and Development Conference*. Madrid, Spain, 7715–7724.

[4] **Mehlenbacher, A. R.**, & Kittle Autry, M. (2011). A Humanistic Approach to the Study of Social Media: Combining Social Network Analysis and Case Study Research. *Proceedings for the 29th Association for Computing Machinery (ACM) International Conference on Design of Communication*. Pisa, Italy: ACM, 257–260. 10.1145/2038476.2038525

[3] **Mehlenbacher, A. R.**, Abbott, N., Harris, R. A., & DiMarco, C. (2010). Toward an Ontology of Rhetorical Figures. *Proceedings for the 28th Association for Computing Machinery (ACM) International Conference on Design of Communication*. São Carlos-São Paulo, Brazil: ACM, 123–130. DOI: 10.1145/1878450.1878471

[2] **Mehlenbacher, A. R.**, Wallace, J., Cerar, K. Randall, N., McClelland, P., Seto, A. M., & Scott, S. D. (2010). Solar Scramble: An Educational Children's Game for Collaborative Multi-touch Digital Tabletops. *Proceedings for the 28th Association for Computing Machinery (ACM) International Conference on Design of Communication*. São Carlos-São Paulo, Brazil: ACM, 27–32. DOI: 10.1145/1878450.1878455

[1] **Mehlenbacher, A. R.**, McDougall, A., & Abbott, N. (2009). Rhetorical Models for Computational Systems. *Proceedings for the 27th Association for Computing Machinery (ACM) International Conference on Design of Communication*. Bloomington, IN: ACM, 155–162. DOI: 10.1145/1621995.1622025

Other Publications/Reports

[1] Joint Research Centre, Scharfbillig, M., Allegra, A., Brossard, D., Cassio, L.G., Cologna, V., Dratwa, J., Dunlop, T., Feeney, M., Gadzina - Kołodziejska, A., Gluckman, P., Guimaraes Pereira, Â., Harayama, Y., Jonkers, K., Kups, S., Mair, D., Martinez, C., Mcbride, V., **Mehlenbacher, A.**, Mercier, H., Petersen, M.B., Possanner, N., Quaglia, A.P., Roozenbeek, J., Rosa, P., Stanvrou, V., Starkbaum, J., Szelewa-Kropiwnicka, B., Tokarski, M., Vecchione, E. and Wald, D., Trust in Science for Policy Nexus, Publications Office of the European Union, Luxembourg, 2025. 48 pages. Available online: Full report: https://op.europa.eu/s/z4Eh.

Other Publications/Commentaries

[5] Fargo Ahern, K., & **Mehlenbacher, A. R.** (2019). Listening to New Voices: Silence, Repair, Hybridity. *International Journal of Listening 33*(3), 168–172. DOI: 10.1080/10904018.2019.1626732 **Invited**.

[4] **Mehlenbacher, A. R.** (2019). Registered Reports: An Emerging Scientific Research Article Genre. *Written Communication Podcast.* **Invited**.

[3] Mehlenbacher, B. & **Mehlenbacher, A. R.** (2017). Finding the Common Culture: Uniting Science and the Humanities in Citizen Science. *Discover Magazine's* "Citizen Science Salon."

[2] **Mehlenbacher, A. R.**, & Pitts, E. (2014). Public Participation in Science: A Phronetic Expertise in Scientific Research and Deliberation. *Committee on the Anthropology of Science, Technology, and Computing.* **Invited**.

[1] Kinsella, W. J., **Mehlenbacher, A. R.** & Kittle Autry, M. (2013). "Public Voices and Energy Choices: Citizens speak out at the North Carolina Utilities Commission." *Communication Currents* 8.5. **Invited**.

Other Publications/Book Reviews and Review Essays (underline indicates trainee co-authors)

[8] **Mehlenbacher, A. R.** (2020). Review: *Science By the People: Participation, Power, and the Politics of Environmental Knowledge,* by Aya Hirata Kimura and Abby Kinchy. *Science Connected Magazine.*

[7] **Mehlenbacher, A. R.** (2019). Review: *Radiation Brain Moms and Citizen Scientists: The Gender Politics of Food Contamination after Fukushima,* by Aya Hirata Kimura. *SciStarter.* Republished in *Science Connected Magazine.*

[6] Griffin, D. B., Black, L. A., Balbon, A. P., & **Mehlenbacher, A. R.** (2019). Book Review Essay: Tales of Tiger Beetles and Other Citizen Sciences. *East Asian Science, Technology and Society, 13*(2), 323–330. DOI: 10.1215/18752160-7543073 **Invited.**

[5] **Mehlenbacher, A. R.** (2017). Review: *Citizen Science: How Ordinary People Are Changing the Face of Discovery* by Caren Cooper. *Discover Magazine* Citizen Science Salon. **Invited.**

[4] **Mehlenbacher, A. R.** (2017). Review: *Diary of a Citizen Scientist* by Sharman Apt Russell. *Discover Magazine* Citizen Science Salon.

[3] **Mehlenbacher, A. R.** (2016). Review of *Innovations in Home Energy Use: A Sourcebook for Behavior Change*, Southwell, B. G., Doran, E. M. B., Richman, L. S. (Eds.). Research Triangle Park, NC: RTI Press. *Energy Research & Social Science.* DOI: 10.1016/j.erss.2016.04.003. **Invited.**

[2] **Mehlenbacher, A. R.** (2015). Review: *On the Frontier of Science: An American Rhetoric of Exploration and Exploitation* by Leah Ceccarelli and *Scientists as Prophets: A Rhetorical Genealogy* by Lynda Walsh. *Technical Communication Quarterly, 24*(2), 188–191. DOI: 10.1080/10572252.2014.1001639. **Invited.**

[1] **Mehlenbacher, A. R.** (2011). Book Review Essay: Persuasion, Emotion, and Interdisciplinarity. A Review of Two Perspectives. *The Communication Review, 14*(4), 321–325. DOI: 10.1080/10714421.2011.624035

Other Publications/Knowledge Mobilization (an underline indicates trainee co-authors)

[20] Fan, L-T., Wells, M. & **Mehlenbacher, A.** (1 Oct 2024). "It's easier than ever for bad actors to steal women's faces — and even their voices." We must do more to prevent it. *Toronto Star*.

[19] Wells, M. & **Mehlenbacher, A. R.**, (8 May 2024). We must temper hype around AI with sober reflection on its climate impacts. *The Hill Times.*↪ Featured in *The Hill Times* "The Weekend Point of View," which features "Top Canadian political and policy opinion and analysis. Saturdays and Sundays. Weekends" on Sunday May 12th, 2024.

[18] Wells, M. & **Mehlenbacher, A. R.**, (4 March 2024). Why we need to have a different conversation about AI. *The Hill Times.*

[17] **Mehlenbacher, A. R.**, Strickland, D., & Wells, M. (18 October 2023). Talking about science and technology has positive impacts on research and society. *The Conversation. ↪ Republished in Academic Matters: OCUFA's Journal of Higher Education.* https://academicmatters.ca/talking-about-science-and-technology-has-positive-impacts-on-research-and-society/

[16] **Mehlenbacher, A. R.**, & Mehlenbacher, B. (14 October 2020). Q and A with the experts: trusting public figures during COVID-19. University of Waterloo *Daily Bulletin*.

[15] Armstrong, C., Moriarty, D., **Mehlenbacher, A. R.**, & Mehlenbacher, B. (5 May 2020). Science and health communication during COVID-19. Words in Place: English@Waterloo.

[14] **Mehlenbacher, A. R.**, Balbon, A. P., & Griffin, D. B. (2 December 2019). Lessons from Aristotle for Synthetic Biologists. *PLOS Synbio Community.* Public Library of Science Blog Network.

[13] **Mehlenbacher, A. R.** (22 September 2019). Communicating science online increases interest, engagement and access to funds. *The Conversation.* Republished in *University Affairs.*

[12] **Mehlenbacher, A. R.** (5 June 2014.). Distribution of Air Pollutants and Grassroots Monitoring. *Discover Magazine's* "Citizen Science Salon."

[11] **Mehlenbacher, A. R.** (2 May 2014). WEIRD Behavioral Research. PLOS *Citizen Sci.*
↪ Republished (3 May 2014) in *SciStarter* as Making Science Less WEIRD.

[10] **Mehlenbacher, A. R.** (3 February 2014). Homebrew Sensing Project: DIY Environmental Monitoring. *SciStarter*.
↪ Republished (04 February 2014) in PLOS *Citizen Sci.*

[9] **Mehlenbacher, A. R.** (27 September 2013). Fraxinus to Fight Fungus. *SciStarter*.

[8] **Mehlenbacher, A. R.** (04 August 2013). More Gills or Eyes? The Purported Increase of Sevengill Shark Populations off the Coast of San Diego. *SciStarter*.
↪ Republished (15 August 2013) in PLOS *Citizen Sci.*
↪ Republished (28 July 2017) in *Discover Magazine's* "Citizen Science Salon" & *Scistarter.*

[7] **Mehlenbacher, A. R.** (9 July 2013). Citizen Science and Art: Exploring Biohackers and Bioartists. PLOS *Citizen Sci.*
↪ Republished (18 July 2013) in *SciStarter*.

[6] **Mehlenbacher, A. R.** Music, Mayans, Maps: Citizen Science and the Digital Humanities. PLOS *Citizen Sci.* 3 June 2013.

[5] **Mehlenbacher, A. R.** Hackerspaces and Hacking Science. PLOS *Citizen Sci.* 6 May 2013. ↪ Republished (9 December 2013) on Universidad Autónoma de Nuevo León's *Reporte Ciencia.*

[4] Walker, K., Naidu, A., & **Mehlenbacher, A. R.** (1 April 2013). International Citizen Science for Indian Tiger Conservation. PLOS *Citizen Sci.*

[3] **Mehlenbacher, A. R.** (7 February 2013). Science and Society: Voices from the Humanities and Social Sciences. PLOS *Citizen Sci.*

[2] **Mehlenbacher, A. R.** (7 January 2013). Citizen Science in Crisis Situations. PLOS *Citizen Sci.*

[1] **Mehlenbacher, A. R.** (2013). South Carolina (utilities, energy sources and transmission). In M. A. Pierce (Ed.). *Encyclopedia of Energy*. Vol. 4. Salem Press. 1167–1168.

## Presentations

Invited Presentations and Public Talks (an underline indicates trainee co-presenters)

[41] **Mehlenbacher, A. R.** (31 May 2025). The Role of Rhetoric and RhetCan in the Transformation of Global Research. Panel discussion with Charles Bazerman (Distinguished Professor Emeritus, University of California, Santa Barbara) Sune Auken (Associate Professor, Dr.Habil., University of Copenhagen), Brad Mehlenbacher (Professor, University of Waterloo), and Jonathan Doering (Assistant Professor, Cape Breton University). RhetCanada, the Canadian Society for the Study of Rhetoric/RhetCanada, La Société Canadienne pour l'Étude de la Rhétorique, Canada.

[40] **Mehlenbacher, A. R.** (28 May 2025). The Iron Ring at 100 - Trust, Transformation, and the Future of Canadian Engineering. Panel discussion with Mary Wells (Dean of Engineering, Waterloo) Hamid Arabzadeh (Chairman and CEO RANOVUS), Stephanie Hazlewood (Distinguished Engineer, Chief Data Office Royal Bank of Canada), and Molly Thomas (Moderator; Host, Big [If True] TVO). Faculty of Engineering, TVO, and TRuST Network at the University of Waterloo, Waterloo, Ontario, Canada.

[39] **Mehlenbacher, A. R.** (8 May 2025). What Canadian Science Communicators Need to Know About the Changing US Science Landscape. Panel discussion with Ian Hanington (David Suzuki Foundation), JP Flores (UNC–Chapel Hill and Stand Up For Science), and Vanessa Nelson (Moderator; BioCanRx, SWCC Board Member). Science Writers & Communicators of Canada (SWCC), Canada.

[38] **Mehlenbacher, A. R.** (7 May 2025). Curiosity On Stage Series—A Legacy of Iron: The Past, Present, and Future of Canadian Engineering. Panel discussion with Mary Wells (Dean of Engineering, Waterloo) and Leonard Shara (Chief Warden at The Corporation of the Seven Wardens Inc.). Canada Science and Technology Museum—Ingenium, Ottawa, Ontario.

[37] **Mehlenbacher, A. R.** (29 April 2025). Trust in Science. Panel discussion with Cary Funk, Carolyn J. Lawrence-Dill, and Greg Raschke (moderator). The 186th Association of Research Libraries (ARL) Association Meeting. Minneapolis, Minnesota.

[36] **Mehlenbacher, A. R.** (26 March 2024). Antagonistic Responses to Environment and Climate Change in the Academy. Antagonism and Intimidation in Academia series. University of Waterloo, Waterloo, Ontario. Panel member.

[35] **Mehlenbacher, A. R.** (07 November 2023). Gateway Centre for Excellence in Rural Health virtual lecture series. With Feng Chang, Kristen Watt, and Hung Nguyen. Panel member.

[34] **Mehlenbacher, A. R.** (28 September 2023). Knowledge Mobilization Community of Practice, University of Waterloo, Waterloo, Ontario. Virtual presentation.

[33] **Mehlenbacher, A. R.** (26 September 2023). Communication, Trust, and Science. Board of Trustees meeting for Ingenium–Canada's Museums of Science and Innovation, Ottawa, Ontario.

[32] **Mehlenbacher, A. R.** (12 September 2023). Conversations on Trust in Science and Technology. *TRuST Inaugural Speaker Series Event–In partnership with CBC Kitchener Waterloo.* University of Waterloo, Waterloo, Ontario, Canada. Panel discussion following Nobel Laureate Donna Strickland's opening remarks with members: Donna Strickland, Dean of Engineering Mary Wells, and Craig Norris of CBC (moderator).

[31] **Mehlenbacher, A. R.**, & Mehlenbacher, B. (4 May 2023). The Rhetoric of Big Data. NOVA Information Management School, Universidade NOVA de Lisboa, Lisboa, Portugal.

[30] **Mehlenbacher, A. R.** (2 May 2023). AI-generated Text, Synthetic Genres, and Misinformation. ISEG | Lisbon School of Economics & Management. Universidade de Lisboa. Lisboa, Portugal. Talk followed by Q & A with B. Mehlenbacher.

[29] **Mehlenbacher, A. R.** (27 April 2023). Climate Communication in Canada. Sustainability and Culture research group, Københavns Universitet (University of Copenhagen), Copenhagen, Denmark.

[28] **Mehlenbacher, A. R.**, & Mehlenbacher, B. (18 April 2023). Vituperation and Expert Ethos in Public Science. Section for Rhetoric (Department of Communication), Københavns Universitet (University of Copenhagen), Copenhagen, Denmark.

[27] **Mehlenbacher, A. R.** (2 November 2022). Detecting and Correcting Misinformation: Lessons Learned and Best Practices panel. Health Canada & CanCOVID. (virtual event).

[26] **Mehlenbacher, A. R.** (20 April 2022). Talking About Sustainability. Sustainability Office. University of Waterloo, Waterloo, Ontario, Canada (virtual event).

[25] **Mehlenbacher, A. R.** (8 April 2022). Communication in the Disinformation Age. *Penn State University Press*. PSU Press Presents Series (virtual event). Author panel with Seong Jae Min, Billie Murray, and Ryan Peterson (moderator).

[24] **Mehlenbacher, A. R.** (February 2022). *IC3 Research Spotlight*. With Sara Doody and Carolyn Eckert. Interdisciplinary Centre on Climate Change, University of Waterloo, Waterloo, Ontario, Canada (virtual event).

[23] **Mehlenbacher, A. R.** (4 June 2021). Burkean Parlour on Disinformation. *RhetCanada 2021: Meeting of the Canadian Society for the Study of Rhetoric*. 2021 Congress of the Humanities and Social Sciences, Edmonton, Alberta, Canada. Opening remarks.

[22] **Mehlenbacher, A. R.** (4 June 2021). "Specialized genres online" panel with Ron Darvin (The Chinese University of Hong Kong), Rodney Jones (University of Reading), Carmen Pérez-Llantada (University of Zaragoza), and Paul Prior (University of Illinois) and, Christoph Hafner (Chair, City University of Hong Kong). *LSPPC6 - The 6th International Conference of the LSP & Professional Communication Association*. City University of Hong Kong, Hong Kong. Panel.

[21] **Mehlenbacher, A. R.** (13 February 2021). "Genre-ing Activities and Science Communication Online." *Language Sciences Undergraduate Research Conference Committee*. Language Sciences and the Speech and Linguistics Student Association at the University of British Columbia, Vancouver, British Columbia, Canada. Plenary talk.

[20] **Mehlenbacher, A. R.** (4 December 2020). "Communicating about Health and Safety Benefits and Privacy Risks in COVID-19 Contact Tracing Tracking Apps." *Data and Privacy During a Global Pandemic Conference*. University of Waterloo, Waterloo, Ontario, Canada. Panel.

[19] **Mehlenbacher, A. R.** (3 September 2020). "Expertise and *Ethos* in Communicating Science Online." *Seminar Series for the Evolution, Ecology and Organismal Biology Department*. The Ohio State University, Columbus, Ohio, USA. Guest speaker.

[18] **Mehlenbacher, A. R.** (7 February 2020). "Communicating Science Online: Experts, Citizens, and Trust." *Speaker Series for the Department of Biology*. University of Waterloo, Waterloo, Ontario, Canada. Guest speaker.

[17] **Mehlenbacher, A. R.** (30 November 2018). "Science Communication Online: Genre, Genre-ing Activities, and Genre Change on the Internet." *Speaker Series for the School of Linguistics and Language Studies*. Carleton University, Ottawa, Ontario, Canada. Guest speaker.

[16] **Mehlenbacher, A. R.** (13 September 2018). "Emerging Genres of Science Communication Online." *Genres and Media Landscapes in Virtual-physical Learning Spaces*. Jönköping University, Smaland, Sweden. Plenary talk.

[15] **Mehlenbacher, A. R.** (17 May 2018). "STEAM Behind the Scenes: How Scientists Evaluate Expertise Across Science, Technology, Engineering, Arts, and Math Initiatives." *Royal Canadian Institute for Science*. Waterloo Public Library, Waterloo, Ontario, Canada. Public lecture.

[14] **Mehlenbacher, A. R.** (5 October 2017). "Citizen Science and Social Action: Networked Expertise as a Novel Approach to Complex Problem Solving." *Royal Canadian Institute for Science*. Central Library, Mississauga, Ontario, Canada. Public lecture.

[13] **Mehlenbacher, A. R.** (24 May 2017). "#GameofGov Gamification Workshop" (panelist). *Federal Youth Network*. Canada School of Public Service, Toronto, Ontario, Canada. Panel.

[12] **Mehlenbacher, A. R.** (24 November 2016). "Science Communication Online." Speakers' Series for the MA Program in Humanities, Laurentian University, Sudbury, Ontario, Canada. Guest speaker.

[11] **Mehlenbacher, A. R.** (25 May 2016). "Social Media and New Forms of Professional Communication." Southwestern Ontario Chapter Society for Technical Communication, Kitchener, Ontario, Canada. Guest speaker.

[10] **Mehlenbacher, A. R.** (26 February 2016). "Trans-science and the Limits of Disciplinarity" *Knowledge Integration Seminar Series*. Department of Knowledge Integration, University of Waterloo, Waterloo, Ontario, Canada. Guest speaker.

[9] **Mehlenbacher, A. R.** (12 February 2016). "Trans-scientific Genres: Emerging Genres of Science Communication." *Speaking of Science*, University of North Carolina at Wilmington, Wilmington, North Carolina, USA. Guest speaker.

[8] **Mehlenbacher, A. R.**, & Mehlenbacher, B. (28 January 2016). "Hacker-Scientists, Hackerspaces, and Innovative Instructional Practices in STEM Education." *Critical Media Lab Salon Series*, Critical Media Lab, University of Waterloo, Waterloo, Ontario, Canada. Guest speaker.

[7] **Mehlenbacher, A. R.** (3 December 2015). "Citizen Science Games and Player Agency." *GI Brown Bag Series*, The Games Institute, University of Waterloo, Waterloo, Ontario, Canada. Guest speaker.

[6] **Mehlenbacher, A. R.** (12 March 2015). "Trans-scientific Genres: Emerging Genres of Science Communication." *Illuminations Lecture Series*, Philosophy and Literature Program, Purdue University, West Lafayette, Indiana, USA. Guest speaker.

[5] **Mehlenbacher, A. R.** (6 March 2015). "Environmental and Social Implications of Nanotechnology." *Interactive Seminar Series*. Center for the Environment, Purdue, West Lafayette, Indiana, USA. Panel talk.

[4] **Mehlenbacher, A. R.** (30 January 2015). "Trans-scientific Genres of Science Communication in Citizen Science." Discovery Park Center for Global Soundscapes *Connections* series. Purdue University, West Lafayette, Indiana, USA. Guest speaker.

[3] **Mehlenbacher, A. R.**, & Kittle Autry, M. (27 June 2012). "The Open Access Imperative: The Right to Read." Genre 2012 Roundtable: Supporting genre research dialogues across disciplines. *Genre 2012: Rethinking Genre 20 Years Later*. Ottawa, Ontario, Canada.

[2] **Mehlenbacher, A. R.**, & Kittle Autry, M. (19 April 2012). "Communication Patterns on Twitter.com in Response to Duke-Progress Energy Merger." *Progress Energy Corporate Communication Department*. Progress Energy, Raleigh, North Carolina, USA.

[1] **Mehlenbacher, A. R.** (25 January 2012). "Perspectives from the Humanities & Social Sciences on Genetic Pest Management." *Colloquium on Genetic Engineering & Society*. North Carolina State University, Raleigh, North Carolina, USA. Panel talk.

Conference Presentations (an underline indicates trainee co-authors)

[66] **Mehlenbacher, A. R.**, & Mehlenbacher, B. (31 May 2025). "Synthetic Experts: Trust and Expert Ethos in the Age of AI." *RhetCanada, the Canadian Society for the Study of Rhetoric/RhetCanada, La Société Canadienne pour l'Étude de la Rhétorique.* Canada.

[65] **Mehlenbacher, A. R.** (20 November 2024). "Transformative ecosystem approach to building trust and tackling misinformation." *16th Canadian Science Policy Conference.* Ottawa, Ontario, Canada. Panel.

[64] **Mehlenbacher, A. R.**, & Mehlenbacher, B. (8 June 2024). "On Blame in Public Science." *Canadian Society for the Study of Rhetoric (RhetCan)*. Canada.

[63] Eckert, C., Doody, S., Forst, S., Mehlenbacher, B. & **Mehlenbacher, A. R.** (3 June 2022). "Proleptic Logics, Emotion, and Ethics in Climate Communications." *Canadian Society for the Study of Rhetoric.* Canada. Conference held online due to COVID–19 pandemic.

[62] Moriarty, D., Griffin, D. B., & **Mehlenbacher, A. R.** (10 June 2021; originally cancelled in June 2020 due to COVID–19 pandemic). We're Experts in Online Science Communication Genres. Ask Us Anything About r/science AMAs! *Canadian Association for the Study of Discourse and Writing.* University of Alberta, Edmonton, Alberta, Canada. Conference held online due to COVID–19 pandemic.

[61] Balbon, A. P., Sharif, A., & **Mehlenbacher, A. R.** (4 June 2021; originally cancelled in June 2020 due to COVID–19 pandemic). "Bogus Experts and the Involvement of Heuristics When Assessing Expertise." *Canadian Society for the Study of Rhetoric.* University of Alberta, Edmonton, Alberta, Canada. Conference held online due to COVID–19 pandemic.

[60] **Mehlenbacher, A. R.** (June 2020; cancelled). "The Expert and Her Virtues." *Canadian Society for the History and Philosophy of Science.* Western University, London, Ontario, Canada. Conference subsequently cancelled due to COVID–19 pandemic.

[59] **Mehlenbacher, A. R.** (June 2020; cancelled). "Character and Prudence in the Rhetorical Construction of Expertise." *Canadian Society for the Study of Rhetoric.* Western University, London, Ontario, Canada. Conference subsequently cancelled due to COVID–19 pandemic.

[58] Balbon, A. P., Sharif, A., & **Mehlenbacher, A. R.** (June 2020; cancelled). "Bogus Experts and the Involvement of Heuristics When Assessing Expertise." *Canadian Society for the Study of Rhetoric.* Western University, London, Ontario, Canada. Conference subsequently cancelled due to COVID–19 pandemic.

[57] Moriarty, D., Griffin, D. B., & **Mehlenbacher, A. R.** (June 2020; cancelled). We're Experts in Online Science Communication Genres. Ask Us Anything About r/science AMAs! *Canadian Association for the Study of Discourse and Writing.* Western University, London, Ontario, Canada. Conference subsequently cancelled due to COVID–19 pandemic.

[56] **Mehlenbacher, A. R.** (June 2020; cancelled). "Expert Reading in Peer Review as Response to the Replication Crisis." *Canadian Communication Association.* Western University, London, Ontario, Canada. Conference subsequently cancelled due to COVID–19 pandemic.

[55] Griffin, D. B., Moriarty, D., Balbon, P., Sharif, A., & **Mehlenbacher, A. R.** (June 2020; cancelled). "Accommodation of Expert Knowledge in the Information Age." *Canadian Communication Association.* Western University, London, Ontario, Canada. Conference subsequently cancelled due to COVID–19 pandemic.

[54] **Mehlenbacher, A. R.** (5 February 2020). "RCIScience - UW Science Communication Certificate Experiential Learning Pedagogy." *Experiential Learning Conference.* University of Waterloo, Waterloo, Ontario, Canada.

[53] Black, L., Griffin, D. B., Balbon P., Moriarty, D., & **Mehlenbacher, A. R.** (31 July 2019). "Multidisciplinary Activity Design for STEAM Education" *Digital Pedagogy Institute*. University of Waterloo, Waterloo, Ontario, Canada.

[52] **Mehlenbacher, A. R.** (10 November 2018). "Registered Reports: An Emerging Scientific Research Article Genre." *National Communication Association 104th Annual Convention*. Salt Lake City, Utah, USA.
↪ Top Papers Panel for the Association for the Rhetoric of Science, Technology, and Medicine.

[51] **Mehlenbacher, A. R.** (14 September 2018). "Panel Discussion: Reflecting Back and Looking at Future Possibilities in Research and Education." Panel including Anne Freadman and Sune Auken. *Genres and Media Landscapes in Virtual-physical Learning Spaces*. Jönköping University, Smaland, Sweden.

[50] **Mehlenbacher, A. R.** (1 June 2018). "Roundtable: What Rhetoric of Science Means to Rhetorical Criticism." Panel with Jeanne Fahnestock, Leah Ceccarelli, James Wynn, and Randy Allen Harris (Chair). *Conference of the Rhetoric Society of America 2018*. Minneapolis, Minnesota, USA.

[49] **Mehlenbacher, A. R.** (15 November 2017). "Rhetorical Figures as Argument Schemes—Ethos and Trust." Association for the Rhetoric of Science, Technology, and Medicine pre-conference at the *National Communication Association 103rd Annual Convention*. Dallas, Texas, USA.

[48] **Mehlenbacher, A. R.**, & Mehlenbacher, B. (23 June 2017). "Data Infrastructures for the Scientific Data Commons." *Data Power 2017 Conference*. Carleton University, School of Journalism and Communication, Ottawa, Ontario, Canada.

[47] **Mehlenbacher, A. R.**, & Mehlenbacher, B. (27 May 2017). "Data as the Commons: Rearticulating the Commons through Civic and Citizen Science." *Canadian Association for the Study of Discourse and Writing Conference*. Ryerson University, Toronto, Ontario, Canada.

[46] **Mehlenbacher, A. R.** (27 April 2017). "Ownership of Learning and Labour Through Experiential Education." *Opportunities and New Directions: A Research Conference on Teaching and Learning*, University of Waterloo, Waterloo, Ontario, Canada.

[45] **Mehlenbacher, A. R.**, & Mehlenbacher, B. (9 November 2016). "Acquiring Expertise: Citizen Scientists and Networked Expertise." Association for the Rhetoric of Science, Technology, and Medicine pre-conference at the *National Communication Association 102nd Annual Convention*. Philadelphia, Pennsylvania, USA.

[44] **Mehlenbacher, A. R.** (13 August 2016). "The Problem of Prolepsis" *Computing Figures Figuring Computers II*. University of Waterloo, Waterloo, Ontario, Canada.

[43] **Mehlenbacher, A. R.** (28 June 2016). "Let's Play This Out: How Gamification Can Help Public Service Organizations" (panelist). *Institute of Public Administration of Canada*. Toronto, Ontario, Canada.

[42] **Mehlenbacher, A. R.** (29 May 2016). "Structure and Style in Scientific Databases: Charting Emergence and Change in a Dynamic Rhetorical Genre." *Conference of the Rhetoric Society of America 2016*. Atlanta, Georgia, USA.

[41] **Mehlenbacher, A. R.** (28 May 2016). "At the Nexus of New Media and New Genres: A Response to Genres in a Complex World" (invited respondent). *Conference of the Rhetoric Society of America 2016*. Atlanta, Georgia, USA.

[40] **Mehlenbacher, A. R.**, & Mehlenbacher, B. (28 April 2016). "Assessment Challenges and Innovations in Technology-Augmented Instruction and Learning." *Opportunities and New Directions: A Research Conference on Teaching and Learning*, University of Waterloo, Waterloo, Ontario, Canada.

[39] **Mehlenbacher, A. R.**, & Mehlenbacher, B. (16 January 2016). "Science, Disrupted: Pedagogical innovation in the do-it-yourself science movement." *Canadian Association of Cultural Studies*. Balsillie School of International Affairs, Waterloo, Ontario, Canada.

[38] **Mehlenbacher, A. R.,** Mehlenbacher, B., & Kampe, C. (26 November 2015). "The SciGames Hub." *IMMERSe (The Research Network for Video Game Immersion) Conference*. The Games Institute at the University of Waterloo, Waterloo, Ontario, Canada.

[37] **Mehlenbacher, A. R.** (18 November 2015). "Extensions of Rhetorical Agency in Grassroots Sensing Technologies." *National Communication Association 101st Annual Convention*. Las Vegas, Nevada, USA.

[36] **Mehlenbacher, A. R.** (13 June 2015). "Closing The Public-Expert Divide: Public Expertise and Do-It-Yourself Environmental Monitoring Initiatives." *13th biennial Conference on Communication and Environment*. Boulder, Colorado, USA.

[35] **Mehlenbacher, A. R.** (4 June 2015). "A Rhetoric of Good Data." *Canadian Communication Association*. University of Ottawa, Ottawa, Ontario, Canada.

[34] Brock, K. & **Mehlenbacher, A. R.** (10 April 2015). "Rhetorical Genres in Code." *Indiana Digital Rhetoric Symposium*, Indiana University, Bloomington, Indiana, USA.

[33] Mehlenbacher, B., & **Mehlenbacher, A. R.** (2 March 2015). "Assessing Student Learning: Research-based Rubrics and Evaluation Instruments for Measuring Technology-augmented Learning." *International Technology, Education and Development Conference*. Madrid, Spain.

[32] **Mehlenbacher, A. R.** (4 December 2014). "Networked Expertise: Constructing Ethos in Citizen Science Projects." *Annual Meeting of the American Anthropological Association*, Washington, DC, USA.

[31] **Mehlenbacher, A. R.** (21 November 2014). "Organization of Hackerspaces for Scientific Engagement, Education, Research, and Community Action." *National Communication Association 100th Annual Convention*. Chicago, Illinois, USA.

[30] **Mehlenbacher, A. R.** (19 November 2014). "Open Risk Assessment: Rhetorical Expansion of Expert Ethos." Association for the Rhetoric of Science and Technology pre-conference at the *National Communication Association 100th Annual Convention*. Chicago, Illinois, USA.

[29] **Mehlenbacher, A. R.** (7 November 2014). "Hacking Science: New Modes of Ethical Engagement." *International Symposium on Digital Ethics*. Chicago, Illinois, USA.

[28] **Mehlenbacher, A. R.** (24 May 2014). "Parascientific Genres: Emerging Genres in Participant-driven Citizen Science" *Conference of the Rhetoric Society of America 2014*. San Antonio, Texas, USA.

[27] **Mehlenbacher, A. R.** (23 May 2014). "Transnational Temperance: Rhetorics of the Canadian Women's Temperance Movement" *Conference of the Rhetoric Society of America 2014*. San Antonio, Texas, USA.

[26] **Mehlenbacher, A. R.** (20 March 2014). "Rhetorical Accommodation and Open Access Publishing." *Conference on College Composition and Communication*. Indianapolis, Indiana, USA.

[25] **Mehlenbacher, A. R.,** & Mehlenbacher, B. (28 February 2014). "Instructional Interactions: Feedback and Commenting in Collaborative Online Writing Spaces." *North Carolina Symposium on Teaching Writing*, Raleigh, North Carolina, USA.

[24] Maddalena, K., & **Mehlenbacher] A. R.** (24 November 2013). "Genre to ANT, Agency to Efficacy: At the Intersection of Rhetoric of Science and Science, Technology, and Society." *National Communication Association 99th Annual Convention*. Washington, DC, USA.

[23] Kinsella, W. J., **Mehlenbacher, A. R.,** & Kittle Autry, M. (8 June 2013). Articulating Resistance to Nuclear Power: Local Tactics and Strategic Consequences in a Nuclear Construction Financing Controversy. *Conference on Communication and Environment*. Uppsala, Sweden.

[22] **Mehlenbacher, A. R.** (16 February 2013). "Accommodating the Globalisation of Technical and Scientific Communication in Professional Writing Classrooms." *North Carolina Symposium on Teaching Writing*, Raleigh, North Carolina, USA.

[21] **Mehlenbacher, A. R.**, & Miller, C. R. (17 November 2012). "Intersections: Scientific and Parascientific Communication on the Internet." *National Communication Association 98th Annual Convention*. Orlando, Florida, USA.

[20] **Mehlenbacher, A. R.** (4 August 2012). "Hacking Science: Fukushima Dai-ichi and a global citizen science effort." Poster Presentation at the *Conference on Public Participation in Scientific Research*. Portland, Oregon, USA.

[19] Abbott, N., & **Mehlenbacher, A. R.** (27 June 2012). "Rethinking Evolutionary Metaphors in Rhetorical Genre Theory." *Genre 2012: Rethinking Genre 20 Years Later*. Carleton University, Ottawa, Ontario, Canada.

[18] **Mehlenbacher, A. R.** (27 June 2012). "Genre Across Borders (GXB): Integrating Social Networking Tools to Facilitate Collaboration, Connection, and Community." *Genre 2012: Rethinking Genre 20 Years Later*. Carleton University, Ottawa, Ontario, Canada.

[17] **Mehlenbacher, A. R.**, & Harris, R. A. (25 May 2012). "Cognitive Metaphor Studies and Gertrude Buck's The Metaphor: A Study in the Psychology of Rhetoric." *Conference of the Rhetoric Society of America 2012*. Philadelphia, Pennsylvania, USA.

[16] Mehlenbacher, B., & **Mehlenbacher, A. R.** (20 May 2012). "Integrating Social Media into Online Educational Spaces: Modeling Professional Practice in Instructional Interactions." *Computers & Writing 2012*. Raleigh, North Carolina USA.

[15] **Mehlenbacher, A. R.** (7 May 2012). Interdisciplinary panel discussion on Nuclear Energy Industry. *Second Annual School of Public and International Affairs/College of Humanities and Social Sciences Conference "Shale Gas and Nuclear Power: The Bridge to a Renewable Energy Future?"* North Carolina State University, Raleigh, North Carolina, USA.

[14] **Mehlenbacher, A. R.**, & Kittle Autry, M. (7 May 2012). "Nuclear Power and North Carolina Energy Companies" Poster session presented at the annual *Second Annual School of Public and International Affairs/College of Humanities and Social Sciences Conference "Shale Gas and Nuclear Power: The Bridge to a Renewable Energy Future?"* North Carolina State University, Raleigh, North Carolina, USA.

[13] Kittle Autry, M., & **Mehlenbacher, A. R.** (11 April 2012). "Looking Global, Speaking Local: Fukushima Dai-ichi and Nuclear Energy Discourse in the Carolinas." *Global Engagement Exposition.* North Carolina State University, Raleigh, North Carolina, USA.

[12] **Mehlenbacher, A. R.**, & Kittle Autry, M. (20 March 2012). "Temporal Trends in Digitally-Mediated Environmental Debate." Poster session presented at the annual *NC State Graduate Student Research Symposium.* North Carolina State University, Raleigh, North Carolina, USA.

[11] Kittle Autry, M., & **Mehlenbacher, A. R.** (18 February 2012). "Merging Duke Energy and Progress Energy: Examining Rhetorical Boundary Work in Nuclear Energy Discourses in the Carolinas." *Carolina Rhetoric Conference*. Clemson University, Clemson, South Carolina, USA.

[10] **Mehlenbacher, A. R.** (5 November 2011). "Looking Global, Speaking Local: Proleptic Structure in Fukushima-related Discourse During an NC Public Hearing." *Society for Social Studies of Science Conference*. Cleveland, Ohio, USA.

[9] **Mehlenbacher, A. R.**, & Kittle Autry, M. (15 April 2011). "Big Power, Big Controversy: The Proposed Duke-Progress Energy Merger and Environmental Controversy in the Carolinas." *Environments, Risks, & Digital Media Symposium*. North Carolina State University, Raleigh, North Carolina, USA.

[8] **Mehlenbacher, A. R.** (26 February 2011). "Gertrude Buck's Metaphor: An Antecedent Theory to Contemporary Cognitive Metaphor Studies." *Carolina Rhetoric Conference*, University of South Carolina. Columbia, South Carolina, USA.

[7] **Mehlenbacher, A. R.**, Abbott, N., Harris, R. A., & DiMarco, C. (28 September 2010). "Toward an Ontology of Rhetorical Figures." *28th ACM International Conference on Design of Communication*. Universidade Federal de São Carlos, São Carlos-São Paulo, Brazil.

[6] **Mehlenbacher, A. R.**, Wallace, J., Cerar, K. Randall, N., McClelland, P. Seto, A. M. & Scott, S. D. (27 September 2010). "Solar Scramble: Design and Development of an Educational Children's Game for Multi-Touch Collaborative Tables." *28th ACM International Conference on Design of Communication*. Universidade Federal de São Carlos, São Carlos-São Paulo, Brazil.

[5] **Mehlenbacher, A. R.**, & Abbott, N. (31 May 2010). "Collaborating Across Disciplines: Identity and Graduate-level Multidisciplinary Research in the Humanities." *Canadian Association for the Study of Discourse and Writing*. Concordia University, Montreal, Quebec, Canada.

[4] **Mehlenbacher, A. R.**, & Abbott, N. (10 April 2010). "Graduate Student Identity Formation and Inter-/Multi-disciplinarity." *Midwestern Conference on Literature, Language, and Media*. Northern Illinois University, Dekalb, Illinois, USA.

[3] **Mehlenbacher, A. R.**, & McDougall, A. (24 October 2009). "Crossing Disciplinary Boundaries is Risky" *Risk! New York College English Association.* Niagara County Community College, Sanborn, New York, USA.

[2] **Mehlenbacher, A. R.**, McDougall, A., & Abbott, N. (6 October 2009). "Rhetorical Models for Computational Systems: An interdisciplinary approach to reusable tailorable medical information." *27th ACM International Conference on Design of Communication*. Indiana University, Bloomington, Indiana, USA.

[1] **Mehlenbacher, A. R.** (26 May 2009). "The Construction of Credibility (Ethos) in Sexual Health Pamphlets." *Canadian Association for the Study of Discourse and Writing Conference*. Carleton University, Ottawa, Ontario, Canada.

## Selected Media Coverage

Anthannagari, Meghana. (2020, 09 December). "Protecting Canadians' health without compromising their privacy." *Waterloo News*.

Rogers, Elizabeth. (2022, 17 May). "Why people trust or distrust experts when it comes to critical issues." *Waterloo News*.

Joel, Mitch. (2022, 31 July). "Ashley Rose Mehlenbacher On Expertise (And Who Is Truly An Expert) – This Week's Six Pixels of Separation Podcast." *Six Pixels of Separation Podcast*.

Faculty of Arts. (2023, 09 January). "Building trust for experts." *Waterloo News*.

Longeway, Stephanie. (2023, 09 January). "Nobel laureate launches the Trust in Science and Technology Research Network at Waterloo." *Waterloo News*.

Norris, Craig. (2023, 12 January). *The Morning Edition with Craig Norris*. CBC.

Geller, Leah. (2023, 01 February). "Facing up to fake." *Research Money Magazine*.

Yin, David. (2023, 01 March). "Nobel laureate Donna Strickland launches trust in science network" *Imprint*.

Basken, Paul. (2023, 29 March). "Canadian Nobelist wages war on science disinformation." *Times Higher Education*.

Flemming, Jordan. (2023, 13 September). "Trust in research, science and technology starts with conversations CBC partners with Waterloo to kick off the inaugural TRuST speaker series." *Waterloo News*.

Wells, Mary. (2023, 27 September). "Dean Wells calls for greater TRuST in science and technology." *Hill Times*.

CTV News Kitchener. (2024, January 18). "Experts discuss AI's impact at Waterloo event." *CTV News Kitchener*.

Flemming, Jordan. (2024, January 18). "Can we really trust AI?" *Waterloo News*, Available online: https://uwaterloo.ca/news/can-we-really-trust-ai

Williams, Robert. (2024, January 19). "Can we really trust AI?" *The Record.*

Simone, Rose. (2024, January 19). "Artificial Intelligence: Can It be Trusted?." *Inside The Perimeter*.

Lowey, Mark. "Global distrust in innovation and those who manage and deliver it is growing." *Research Money Magazine*. Available online: https://researchmoneyinc.com/article/global-distrust-in-innovation-and-those-who-manage-and-deliver-it-is-growing

Phull, Harminder. (2024, April 2). Changing the climate of discourse in academia. *Waterloo News.* Available online: https://uwaterloo.ca/news/changing-climate-discourse-academia

Barton, Dominic. 2024, April 25). Societal Futures - Global Futures in Focus with Dominic Barton. University of Waterloo podcast. Available online: https://uwaterloo.ca/waterloo-100/global-futures/podcast/societal-futures

Flemming, Jordan. (2024, May 15). "Democracy at a critical crossroads" *Waterloo News*, Available online: https://uwaterloo.ca/news/democracy-critical-crossroads

Flemming, Jordan. (2024, September 17). "Building trust through community conversation on climate misinformation" *Waterloo News*, Available online: https://uwaterloo.ca/news/building-trust-through-community-conversation-climate

Koswan, Susan. (2024, Oct 23). Opinion "We need scientists as vocal partners to address climate crisis." *The Record*.

Flemming, Jordan. (2025, January 30). "Debunking myths about GMOs" *Waterloo News*, Available online: https://uwaterloo.ca/news/debunking-myths-about-gmos

Pender, Terry. (2024, January 28). "Poor countries need GMO food says Nobel winning scientist" *The Record*.

Pender, Terry. (2024, February 18). "UW wants to build TRuST amid disinformation and propaganda" *The Record*.

# Teaching

Faculty Workshop Series

| YR(Term) | Course Title | Inst. |
|---|---|---|
| 2017 (F) | Teaching Technical and Scientific Communication | Waterloo |

Graduate Courses

| YR(Term) | Course No. | Course Title | Inst. |
|---|---|---|---|
| 2019 (F) | ENGL 700 | Rhetorical Studies | Waterloo |
| 2018 (F) | PS 614 | Communicating with Diverse Audiences | Waterloo |
| 2018 (S) | ENGL 789 | Theory and Practice of Technical Communication | Waterloo |
| 2017 (F) | PS 614 | Communicating with Diverse Audiences | Waterloo |
| 2017 (S) | ENGL 794 | Qualitative Methods in Prof. Comm. & UX Research | Waterloo |
| 2016 (F) | PS 614 | Communicating with Diverse Audiences | Waterloo |
| 2015 (F) | ENGL 789 | Theory and Practice of Technical Communication | Waterloo |
| 2015 (S) | COM 585 | Qualitative Methods In Communication Research | Purdue |
| 2014 (F) | COM 674 | Genre Theory | Purdue |

Graduate Independent Study Courses

| YR(Term) | Course No. | Course Title | Inst. |
|---|---|---|---|
| 2016 (W) | ENGL 795 | Qualitative Methods and UX | Waterloo |
| 2015 (S) | COM 590 | Theories of Rhetorical Criticism | Purdue |
| 2015 (S) | COM 590 | Pedagogy in Communication Technology Studies | Purdue |
| 2014 (F) | EDCI 590 | Genre Awareness and Education | Purdue |

Undergraduate Courses

| YR(Term) | Course No. | Course Title | Inst. |
|---|---|---|---|
| 2024 (F) | ENGL 309C | Contemporary Rhetorical Theory | Waterloo |
| 2024 (F) | ENGL 210G | Grant Writing | Waterloo |
| 2023 (F) | ENGL 492 | Topics in the History and Theory of Rhetoric | Waterloo |
| 2023 (F) | ENGL 193 | Communication in the Sciences | Waterloo |
| 2021 (S) | ENGL 492† | Topics in the History and Theory of Rhetoric | Waterloo |
| 2021 (S) | ENGL 309C†‡ | Contemporary Rhetorical Theory | Waterloo |
| 2020 (F) | ENGL 309C†‡ | Contemporary Rhetorical Theory | Waterloo |
| 2020 (F) | ENGL 292†‡ | Rhetorical Theory and Criticism | Waterloo |
| 2020 (S) | ENGL 309C†‡ | Contemporary Rhetorical Theory | Waterloo |
| 2020 (S) | ENGL 292†‡ | Rhetorical Theory and Criticism | Waterloo |
| 2019 (F) | ENGL 493 | Topics in Professional Writing and Communication Design | Waterloo |
| 2018 (F) | ENGL 309C | Contemporary Rhetorical Theory | Waterloo |
| 2016 (S) | ENGL 101B†‡ | Introduction to Rhetorical Studies | Waterloo |

| 2016 (S) | ENGL 210J | Technical Editing | Waterloo |
|---|---|---|---|
| 2015 (F) | ENGL 210G | Grant Writing | Waterloo |
| 2015 (W) | COM 411 | Communication and Social Networks | Purdue |
| 2014 (F) | COM 411 | Communication and Social Networks | Purdue |
| 2014 (S) | STS 214† | Introduction to Science, Technology, and Society | NC State |
| 2014 (S) | ENG 331† | Communication for Engineering and Technology | NC State |
| 2014 (S) | ENG 333† | Communication for Science and Research | NC State |
| 2013 (S) | STS 214 | Introduction to Science, Technology, and Society | NC State |
| 2013 (S) | ENG 331† | Communication for Engineering and Technology | NC State |
| 2013 (S) | ENG 333† | Communication for Science and Research | NC State |
| 2012 (F) | ENG 333† | Communication for Science and Research | NC State |
| 2012 (S) | STS 214 | Introduction to Science, Technology, and Society | NC State |
| 2012 (S) | ENG 331† | Communication for Engineering and Technology | NC State |
| 2011 (F) | ENG 331 | Communication for Engineering and Technology | NC State |
| 2010 (W) | ENGL 109*† | Introduction to Academic Writing | Waterloo |
| 2008 (F) | ENGL 109* | Introduction to Academic Writing | Waterloo |

The * designates role as section Teaching Assistant, not Instructor of Record; †designates an online course; ‡designates Centre for Extended Learning (EL) designed and delivered courses.

Post Doctoral Fellow Supervision

Dr. Paula Sanchez Núñez de Villavicencio, Provost's Interdisciplinary Postdoctoral Scholar; co-supervised with Dr. Mary Wells (Dean of Engineering and Professor of Mechanical and Mechatronics Engineering), 2024-2026.

Dr. Sara Doody, Postdoctoral Fellow in the Department of Knowledge Integration, Faculty of Environment; co-supervised with Dr. Kathryn Plaisance (Philosophy/Knowledge Integration), 2021-present

Graduate Supervision/Doctoral Supervision

Thomas Hanson, chair of advisory committee, Ph.D. in English Language and Literature, in progress

Becky Anderson, co-chair of advisory committee with Lai-Tze Fan, Ph.D. in English Language and Literature (SSHRC-funded), in progress

Carolyn Eckert, chair of advisory committee, Ph.D. in English Language and Literature, in progress

Andrew J. Iliadis, co-chair of advisory committee with Daniel S. Smith (Purdue, Philosophy), Ph.D. in Communication and Philosophy (Purdue University), "A Black Art: Ontology, Data, and the Tower of Babel Problem," 2016. Now Associate Professor, School of Media and Communication, Temple University.

Graduate Supervision/Doctoral Committees

Sarah Margaret Casey, member of advisory committee, Ph.D. in English Language and Literature, in progress

Jacqueline Ouellette, member of advisory committee, Ph.D. Candidate in Sustainability Management, ongoing

Farzad Kolahjooei, member of advisory committee, Ph.D. in English Language and Literature, "Christopher Nolan and the Art of Anamorphosis," 2017

Michael Maune, member of advisory committee, Ph.D. in English Education and Educational Linguistics (Purdue University), "Toward a Genre Writing Curriculum: Schooling Genres in the Common Core State Standards for Writing," 2016

Graduate Supervision/Masters Supervision

Carol Williams, MPhil student at the University of the West Indies, Mona, supervisor, Canadian Government's Global Affairs Canada's International Scholarships's Emerging Leaders in the Americas Program (ELAP) visit, 2024-2025

Fatima Zohra, supervisor, M.A. in Rhetoric and Communication Design (Major Research Project), 2022

Liahm Ruest, supervisor, M.A. in Rhetoric and Communication Design (Major Research Project), 2021

Neha Ravella, co-supervisor with Lai-Tze Fan, M.A. in Experimental Digital Media (Major Research Project), 2021

Gosia Brestovacki, supervisor, M.A. in Experimental Digital Media (Major Research Project), 2021

Paula Núñez de Villavicencio, supervisor, M.A. in Rhetoric and Communication Design (Major Research Project), 2018

Salman Jivani, supervisor, M.A. in Rhetoric and Communication Design (Major Research Project), 2017

Max Renner, co-chair of advisory committee with Josh Scacco, M.A. in Communication (Thesis, Purdue), 2016

Graduate Supervision/Masters Committees

Giuseppe Femia, second reader, M.A. in Rhetoric & Communication Design (Major Research Project), 2021

Kaitlin O'Brien, second reader, M.A. in Experimental Digital Media (Major Research Project), 2017

Rob Parker, second reader, M.A. in Rhetoric & Communication Design (Major Research Project), 2016

Jessica Fawley, member of advisory committee, M.A. in Communication (Thesis, Purdue University), 2015

Undergraduate Research Supervisor

Zweitprüferin (second supervisor), Aylin Lehnert, Bachelor's Thesis at Leuphana Universität Lüneburg, 2022

Supervisor, Mika Seguin-Forest, English Language and Literature Honours Essay, 2022

Supervisor, Fatima Zohra, English Language and Literature Honours Essay, 2020

Supervisor, Lillian Black, English Language and Literature Honours Essay, 2018

↪ Winner, ACM SIGDOC's Microsoft Student Research Competition (Undergraduate), 2018

Supervisor, Shania Trepanier, Knowledge Integration program Senior Research Project, 2018

Supervisor, Katrina Ellen Drew Brain, Knowledge Integration program Senior Research Project, 2018

Co-Supervisor, Charmian Zoll, Independent Studies Senior Thesis, 2017

Supervisor, Jamie Bate, Knowledge Integration program Senior Research Project, 2017

Supervisor, Hayley Thorne, Knowledge Integration program Senior Research Project, 2016

Research director, Julia Pritchett, Purdue, 2015

Faculty advisor, Eileen SooEun Park, Purdue, for *Journal of Purdue Undergraduate Research* submission, 2015

Funding Support for Undergraduate Interns

| Year | Program | Role |
|---|---|---|
| closed, 2024 | MITACS Globalink Research Internship | Supervisor |
| closed, 2024 | MITACS Globalink Research Internship | Supervisor |

| | | |
|---|---|---|
| closed, 2022 | MITACS Globalink Research Internship | Supervisor |
| closed, 2022 | MITACS Globalink Research Internship | Supervisor |
| closed, 2021 | MITACS Globalink Research Internship | Supervisor |
| closed, 2021 | MITACS Globalink Research Internship | Supervisor |
| closed, 2015 | Purdue Margo Katherine Wilke Undergraduate Research Internship | Supervisor |
| closed, 2014 | Purdue Margo Katherine Wilke Undergraduate Research Internship | Supervisor |

Guest Lectures

**Mehlenbacher, A. R.** (20 June, 2024). "Climate Communication and Trust in Science." (Environments and Climate: The Role of Social Sciences and Humanities Research in Sustainability Action, Sune Auken and Daniel Nikolaj Madsen). PhD School at the Faculty of Humanities, University of Copenhagen, Copenhagen, Denmark.

**Mehlenbacher, A. R.** (19 March, 2024; 18 March, 2024). "Misinformation and Trust in Science, Technology, and Health." (UTM192–Misinformation in the Information Age, Christopher Eaton), University of Toronto, Toronto, Ontario, Canada.

**Mehlenbacher, A. R.** (28 September, 2023). "Reproducibility and Trust in Science." (Productivity and Reproducibility in Ecology and Evolution graduate seminar, open to all Canadian universities). Living Data Project. University of British Columbia, British Columbia, Canada.

**Mehlenbacher, A. R.** (14 September, 2022). "Communicating Science as an Expert during an Infodemic" (BIOL 690—Scientific Communication, Scientific Communication). University of Waterloo, Waterloo, Ontario, Canada.

**Mehlenbacher, A. R.** (27 January 2022). "Feminist Rhetorical Theories" (ENGL 309C—Contemporary Rhetoric, Gordon Slethaug). University of Waterloo, Waterloo, Ontario, Canada.

**Mehlenbacher, A. R.** (1 November 2021). "Qualitative Research and Coding Data" (ENGL 702—Rhetorical Research Methods, Jennifer Clary-Lemon). University of Waterloo, Waterloo, Ontario, Canada.

**Mehlenbacher, A. R.** (Fall 2021 Online). "Comments on 'The Rhetoric of Big Data'," (ENGL 700—Rhetorical Studies, Andrew McMurry). University of Waterloo, Waterloo, Ontario, Canada. Pre-recorded comments with B. Mehlenbacher.

**Mehlenbacher, A. R.** (Fall 2020 Online). Interview discussing faculty job applications in Canada. (CRD 809—Colloquium in Communication, Rhetoric, and Digital Media, Nick Taylor). North Carolina State University, Raleigh, North Carolina, USA.

**Mehlenbacher, A. R.** (6 February 2020; 17 September, 2019; 02 October 2018 (two sections taught on this date); 23 January 2018 (two sections taught on this date; 21 September 2017; 24 January 2017 (two sections taught on this date)). Introduction to Rhetoric (ENGL 109— Introduction to Academic Writing, Lamees Al Ethari). University of Waterloo, Waterloo, Ontario, Canada.

**Mehlenbacher, A. R.** (5 November 2019). "Coding Qualitative Data," (ENGL 795—Mapping Research Methods Rhetorically, Jennifer Clary-Lemon). University of Waterloo, Waterloo, Ontario, Canada.

**Mehlenbacher, A. R.** (31 October 2019). "Conferencing," English Ph.D. professionalization program milestone course (Jennifer Harris), University of Waterloo, Waterloo, Ontario, Canada.

**Mehlenbacher, A. R.** (17 January 2019). "Citizen Science," (BASE—Bridge to Academic Success in English, Jesse Corwin). Renison University College, Waterloo, Ontario, Canada.

**Mehlenbacher, A. R.** (20 November 2018 x2). "Ethics in Science Communication," (SCCOM 100— Communication in Science, Andrea Johnas). University of Waterloo, Waterloo, Ontario, Canada.

**Mehlenbacher, A. R.** (15 November 2018). "Publishing," English Ph.D. program milestone course (Jennifer Harris), University of Waterloo, Waterloo, Ontario, Canada.

**Mehlenbacher, A. R.** (25 October 2018). "Rhetoric and Genre Theory," (MSP 5114—Communication Research Methods, Media Studies and Production, Andrew Iliadis), Temple University, Philadelphia, Penn-

sylvania, USA.

**Mehlenbacher, A. R.** (23 October 2018). "Rhetoric of Science and Technology," (ENGL 700—Rhetorical Studies, Andrew McMurry). University of Waterloo, Waterloo, Ontario, Canada.

**Mehlenbacher, A. R.** (11 September 2018). "Genre and Learning," (Course for Upper Secondary Teacher preparation, Anette Svensson). Jönköping University, Jönköping, Småland, Sweden.

**Mehlenbacher, A. R.** (28 June 2017). The Rhetoric of Digital Design, (ENGL 408C, Marcel O'Gorman). University of Waterloo, Waterloo, Ontario, Canada. Guest lecture.

**Mehlenbacher, A. R.** (27 June 2017). Rhetoric of Science: Theories and Methods, (ENGL 793, Randy Allen Harris). University of Waterloo, Waterloo, Ontario, Canada.

**Mehlenbacher, A. R.** (28 February 2017). Grant Writing, (ENGL 210G, Lamees Al Ethari). University of Waterloo, Waterloo, Ontario, Canada. Guest lecture.

**Mehlenbacher, A. R.** (15 November 2016). "Publishing in Rhetoric and Related Disciplines," English Ph.D. program milestone course (Victoria Lamont), University of Waterloo, Waterloo, Ontario, Canada. Guest lecture/panel talk.

**Mehlenbacher, A. R.** (4 July 2016). "Rhetoric of Science Online." *Rhetoric of Science Graduate Seminar Mini-Conference.* University of Waterloo, Waterloo, Ontario, Canada.

**Mehlenbacher, A. R.** (3 November 2015). Colloquium in Communication, Rhetoric, and Digital Media, (CRD 809, Adriana de Souza e Silva), North Carolina State University, Raleigh, North Carolina, USA.

**Mehlenbacher, A. R.** (26 October 2015). "Planning for an Academic Career." English Ph.D. program milestone course (Stephanie White), University of Waterloo, Waterloo, Ontario, Canada.

**Mehlenbacher, A. R.** (11 March 2015). Foundations Of Human Comm. Inquiry, (COM 601, Torsten Reimer), Purdue University, West Lafayette, Indiana, USA.

**Mehlenbacher, A. R.** (30 October 2014). Rhetoric and Risk in STM (ENG 306, Kenneth Walker), University of Arizona, Tucson, Arizona, USA. Guest lecture.

**Mehlenbacher, A. R.** (14 April 2014). Narrative Theory (COM 610, Robin Clair), Purdue University, West Lafayette, Indiana, USA. Guest lecture.

**Mehlenbacher, A. R.** (18 September 2014). Survey of Organizational Communication (COM 547, Patrice M. Buzzanell), Purdue University, West Lafayette, Indiana, USA. Guest lecture.

**Mehlenbacher, A. R.** (October 2012). Advanced Writing for Empirical Research (ENG 626, Ann M. Penrose). North Carolina State University, Raleigh, North Carolina, USA. Guest lecture.

**Mehlenbacher, A. R.**, & Kittle Autry, M. (October 2012). Introduction to Scholarly Publishing (HON 398, Aaron J. Stoller & Darby Orcutt), North Carolina State University, Raleigh, North Carolina, USA. Guest lecture.

**Mehlenbacher, A. R.** (15 March 2012). Environmental Communication (COM 436, William J. Kinsella). North Carolina State University, Raleigh, North Carolina, USA. Guest lecture.

**Mehlenbacher, A. R.**, Kittle Autry, M., Maddalena, K., Synk, D., and Hakima, A. (22 August 2011). Rhetoric of Science and Technology (ENG 515, Carolyn R. Miller). North Carolina State University, Raleigh, North Carolina, USA. Guest lecture.

<u>Workshops and Professionalization Talks</u>

"Scientific Communication and Media Misinformation." (10 April, 2024; two sessions) with Donna Strickland. (Science PD @ UWaterloo for Waterloo Region District School Board science teachers), University of Waterloo, Waterloo, Ontario, Canada.

"The Art of Telling Better Scientific Stories." (21 February 2020). Andrea Jonahs, George Lamont, Brad Mehlenbacher, Devon Moriarty, Megan Selinger (all University of Waterloo). SciCommTO Conference 2020. Ryerson University, Toronto, Ontario, Canada.

"Citizen Science and Emerging Rhetorics of Science," co-organized with J. Wynn (Carnegie Mellon).

(2019). *Rhetoric Society of America Summer Institute*, University of Maryland, College Park, MD, USA.

"60 Minutes to Save the World." (20 February 2020; 21 February 2019; 28 September 2017). *Canadian Student Leadership Conference*, University of Waterloo, Waterloo, Ontario. Youth Outreach event for high school students as part of Ontario Early Researcher Award

"Winning Science Communication." (19 November 2018). UW Scinapse preparation for Ontario-wide Undergraduate Science Case Competition (USCC). University of Waterloo, Waterloo, Ontario, Canada.

"Academic Career Conference." (10 October 2018). Panel member for, Centre for Career Action. University of Waterloo, Waterloo, Ontario, Canada.

"Teaching Undergraduate Communications for STEM Majors." (21 September 2018). University of Waterloo, Waterloo, Ontario, Canada. Co-facilitator.

"Online Impressions Workshop." (23 April 2018). panel member for Student Association for Graduates in English. University of Waterloo, Waterloo, Ontario, Canada.

"Grant Writing." (31 March 2017). For Department of Fine Arts. University of Waterloo, Waterloo, Ontario, Canada.

"Winning Science Communication." (15 November 2016). For UW Scinapse preparation for Ontario-wide Undergraduate Science Case Competition (USCC). University of Waterloo, Waterloo, Ontario, Canada.

"Dissertation Writing and the Academic Job Hunt." (16 October 2015). *Games Institute Professional Development Series*. The Games Institute, University of Waterloo, Waterloo, Ontario, Canada.

"Preparing for the Academic Job Hunt." (28 September 2015). *Games Institute Professional Development Series*. Games Institute, University of Waterloo, Waterloo, Ontario, Canada.

"Advice for the Job Search" panel. (13 September 2014). For *Organizational Communication Mini Conference*. Purdue University, West Lafayette, Indiana, USA. Panel talk.

"From Idea to Publication: The Road to Submission." (21 October 2014). For BLSC Graduate Student Association. Purdue University, West Lafayette, Indiana, USA. Panel talk.

"Writing Your Dissertation While on the Academic Job Market." (23 September 2014). For BLSC Ph.D. writing group. Purdue University, West Lafayette, Indiana, USA. Guest lecture.

"Job Hunting While Dissertation Writing." (12 May 2014). For *NC State Graduate School*. North Carolina State University's Hunt Library. Raleigh, North Carolina, USA. Guest speaker.

"Writing Research Introductions in the Sciences." (19 June 2013; 22 March 2013; 18 January 2013; and, 19 October 2012). For *NC State Library Graduate Student Workshop Series*. North Carolina State University's DH Hill and Hunt Libraries. Raleigh, North Carolina, USA.

"Preparing Your Dissertation for ETD with LaTeX." (29 March 2013). For *NC State Library Graduate Student Workshop Series*. North Carolina State University's Hunt Library, Raleigh, North Carolina, USA.

"Graduate Research Symposium: Poster Preparation and Practice Session." (11 March 2013). with M. Kittle Autry. North Carolina State University's Department of English and Communication. Raleigh, North Carolina, USA.

"Introduction to LaTeX." (12 April 2012). *CRDM Professional Development Seminar Series*. North Carolina State University, Raleigh, North Carolina, USA.

"Graduate Research Symposium: Poster Preparation and Practice Session." (12 February 2013). With M. Kittle Autry. North Carolina State University's Department of English and Communication. Raleigh, North Carolina, USA.

# Service

## Service to the Department

| | |
|---|---|
| 2023-present | Member, English Undergraduate Communications Requirement Committee |
| 2021-2022 | Member, Chair Nominating Committee |
| 2017–2020 | Member, Graduate Studies Committee |
| 2019 | Peer Teaching Reviews, two colleagues in English |
| 2018 | Member, Chair Nominating Committee |
| 2016–2018 | Co-op Development Officer, English Language and Literature |
| 2016–2018 | Liaison, English Advisory Council |
| 2017 | Member, Department Advisory Committee on Appointments |
| 2016–2017 | Co-Editor, English Language and Literature Newsletter |

## Service at Purdue

| | |
|---|---|
| 2015 | Judge, Purdue Undergraduate Research and Poster Symposium |
| 2015 | Reviewer, Purdue College of Liberal Arts *Katie Douglas Perseverance and Inspiration Merit Scholarship* |
| 2015 | Reviewer, *Journal of Purdue Undergraduate Research* |
| 2015 | Reviewer, Purdue University Butler Center Leadership In Action Award |
| 2015 | Panel moderator, Purdue/AAAS Emerging Leaders in Science and Society program |
| 2014 | Judge, Purdue #Science: Effective Interdisciplinary Communication Ecological Sciences & Engineering Program Symposium |

## Service to the Faculty/University

| | |
|---|---|
| 2025 | SmArts Working Group |
| 2022-present | Inaugural Co-Director of TRuST network for the University of Waterloo |
| 2022 | Member, Faculty of Arts Canada Excellence Research Chair (CERC) Search Committee |
| 2022 | Member, Societal Futures Roundtable for the Office of the President |
| 2016–2019 | Member, Master of Public Service Advisory Committee |
| 2016–2019 | Member, Co-op Advisory Committee, Faculty of Arts |
| 2016–2019 | Member, Survey Research Centre |
| 2017–2018 | Member, Design Committee, Undergraduate Communications Outcomes Initiative, Departments of Electrical and Computer Engineering and Management Science |
| 2017–2018 | Member, Design Committee, Undergraduate Communications Outcomes Initiative, Faculty of Science Communication Course |
| 2017 | Member, Design Committee, Undergraduate Communications Outcomes Initiative, Department of Civil and Environment Engineering Communication Course |
| 2017–2018 | Member, Arts 140 Working Group, Faculty of Arts |
| 2016–2018 | Member, Arts First Program Advisory Committee, Faculty of Arts |

<u>Service to the Profession</u>

**Leadership Roles**

| | |
|---|---|
| 2016–present | Co-General Editor, Genre Across Borders |
| 2023–2024 | Board of Directors member, Science Borealis |
| 2020–2022 | Program Designer, "Science Communication Certificate," Royal Canadian Institute for Science |
| 2019–2021 | Board of Directors member, Association for the Rhetoric of Science, Technology, & Medicine |
| 2019 | Program Designer, "Science Communication Certificate," Royal Canadian Institute for Science (Kitchener-Waterloo-Cambridge Chapter pilot) |
| 2018–2019 | President, Association for the Rhetoric of Science, Technology, & Medicine |
| 2017-2018 | First Vice President, Association for the Rhetoric of Science, Technology, & Medicine |
| 2016-2017 | Second Vice President, Association for the Rhetoric of Science, Technology, & Medicine |

**Advisory Boards, Editorial Boards, and Program Committees**

| | |
|---|---|
| 2025-present | Editorial Board member for *POROI: An Interdisciplinary Journal of Rhetorical Analysis and Invention* |
| 2023-2024 | Member of the program committee of WDTAI '24 (3rd Workshop on Digital Transformation and Artificial Intelligence) |
| 2021–2022 | Member of the International Scientific Committee for the Digital Genres and Open Science International Conference, University of Zaragoza (Spain) |
| 2019-2024 | Editorial Board member for *Written Communication* |
| 2017–2019 | Member of Advisory Board for the Centre for Genre Research at the University of Copenhagen |
| 2016–2017 | Academic Co-Chair of the Citizen Science Association 2017 Conference Program Committee |
| 2014–2015 | Member of the Program Committee for the Citizen Science Association 2015 Conference at the meeting of the American Association for the Advancement of Science) |

**Science Roundtables & Expert Consultation**

| | |
|---|---|
| 2024–present | Member of the International Science Council's Global Roster of Experts |
| 2025 | Expert participant, Food and Agriculture Organization of the UN (FAO)-International Science Council (ISC) Expert Workshop on Science Communication |
| 2024 | Invited participant in the EU Joint Research Centre-International Science Council's Trust in Science Informed policy-making workshop in Ispra, Italy |
| 2023 | Member of the Trust, Integrity and Ethics in Science Roundtable. Beyond Endless Frontiers (Institute on Governance and the University of Ottawa's Telfer School of Management and the Institute for Science, Society and Policy). |
| 2023 | Expert Consultant. 2023 CanCOVID Perspectives Brief on Pandemic Communications. CanCOVID. |
| 2022 | Member of the Scientific Communication & Knowledge Mobilization Roundtable to inform the development of a National Climate Change Science Plan, Government of Canada & cohosted by Environment and Climate Change Canada. |

**Funding Reviewer (dates removed to protect anonymity)**

Canada Research Chair program

National Science Foundation (NSF, United States), CAREER program

National Science Foundation (NSF, United States), Science and Technology Studies Program

Natural Sciences and Engineering Research Council of Canada (NSERC), Applied Research and Development program

Swiss National Science Foundation

**Book or Book Proposal Reviewer (dates removed to protect anonymity)**

| | |
|---|---|
| Bloomsbury Press | Routledge |
| IGI Global | Rowman & Littlefield Publishing |
| Johns Hopkins University Press | University of Pittsburgh Press |
| Oxford UP | Versita Publishing |
| Palgrave | XML Press |

**Journal Reviewer (dates removed to protect anonymity)**

| | |
|---|---|
| *Argument & Computation* | *Journal of Science Communication* |
| *Big Data & Society* | *Language Sciences* |
| *Canadian Journal of Communication* | *Rhetoric of Health & Medicine* |
| *Citizen Science: Theory and Practice* | *Rhetoric Review* |
| *Composition Forum* | *Rhetoric Society Quarterly* |
| *Corporate Communications* | *Science Communication* |
| *Discourse & Communication* | *Science, Technology, & Human Values* |
| *Ecology and Society* | *Studies in Higher Education* |
| *English for Specific Purposes* | *Tapuya: Latin American Science, Technology and Society.* |
| *ESP Today* | |
| *Ibérica* | *Technical Communication Quarterly* |
| IEEE *Transactions on Professional Communication* | *Telematics and Informatics* |
| IEEE *Transactions on Technology and Society* | *TEXT & TALK* (formerly, *TEXT*) |
| *Journal of Business & Technical Communication* | *Western Journal of Communication* |
| *Journal of Pedagogy* | *Written Communication* |

**Conference Reviewer (dates removed to protect anonymity)**

American Society for the History of Rhetoric at the National Communication Association

Association for the Rhetoric of Science,Technology, and Medicine at the National Communication Association meeting

Association for the Rhetoric of Science, Technology, and Medicine pre-conference at National Communication Association meeting

Association for the Rhetoric of Science, Technology, and Medicine pre-conference at the Rhetoric Society of America meeting

Association of Teachers of Technical Writing annual conference

Central States Communication Association (Communication Theory)

Citizen Science Association Conference

Rhetoric and Communication Theory division at the National Communication Association meeting
Rhetoric Society of America

**Award Reviewer (dates removed to protect anonymity)**

Chair, Association for the Rhetoric of Science, Technology, and Medicine Book of the Year Award
Member, Canadian Association for the Study of Discourse and Writing Dissertation Award Committee

**External Tenure and Promotion Case Reviewer (details removed to protect anonymity)**

Review of promotion to Full Professor cases in 2025 (1)
Review of tenure cases in 2025 (2)
Review of continuing cases in 2025 (1)
Review of tenure cases in 2024 (1)