

# Ashley Rose Mehlenbacher, Ph.D.

Canada Research Chair in Science, Health, and Technology Communication

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## Academic Appointments

- 2021–present Canada Research Chair in Science, Health, and Technology Communication (SSHRC Tier 2)
- 2020–present 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 University

## Academic Affiliations

- 2023, April Visiting Researcher, Nordic Studies and Linguistics, University of Copenhagen
- 2022–present Inaugural Co-Director (with Donna Strickland), Trust in Research Undertaken in Science and Technology (TRuST) network, University of Waterloo
- 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
- 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	Significance
2023	Outstanding Performance Award	University of Waterloo	Awarded to faculty who have made exceptional contributions to teaching and scholarship in a given year, as determined by Deans in consultation with the VP, Academic and Provost.

2023	Nominated for Women of the Year (STEM)	Kitchener-Waterloo Oktoberfest	Nomination for “outstanding contributions to the scientific and technological community. The STEM award identifies and applauds a woman who has excelled in the area of Science, Technology, Engineering or Math.”
2020	Fellows’ Early Career Award	Rhetoric Society of America	For “an innovative and robust research record within eight years of having earned the PhD.”
2020	Outstanding Performance Award	University of Waterloo	Awarded to faculty who have made exceptional contributions to teaching and scholarship in a given year, as determined by Deans in consultation with the VP, Academic and Provost.
2018	Top Papers Panel	Association for the Rhetoric of Science, Technology, and Medicine	Members are selected to participate because their papers have been ranked highest in the division during the peer review process.
2018	CRDM Distinguished Alumni Award	Communication, Rhetoric, and Digital Media at North Carolina State University	Recognition for excellent scholarship, interdisciplinarity, and sustained engagement with the CRDM doctoral program at NC State.
2018	Honourable Mention, Nell Ann Pickett Award for “Crowdfunding Science” (2017)	Association of Teachers of Technical Writing	“Crowdfunding Science” (2017) in <i>Technical Communication Quarterly</i> was given Honourable Mention.
2017	Outstanding Performance Award	University of Waterloo	Awarded to faculty who have made exceptional contributions to teaching and scholarship in a given year, as determined by Deans in consultation with the VP, Academic and Provost.
2015	Joan Pavelich Award for Best Dissertation	Canadian Association for the Study of Discourse and Writing	Award for best dissertation.
2015	Outstanding Dissertation Award in Technical Communication	NCTE/CCCC	Award for best dissertation.
2014	College of Humanities and Social Sciences Dissertation Award	North Carolina State University	Award for best dissertation.
2014	Nominated CGS/ProQuest Social Sciences Distinguished Dissertation Award	NC State University College of Humanities and Social Sciences	Nomination for dissertation award.
2014	Best Research Article on Rhetoric, Writing Studies or Discourse Studies (2013)	Canadian Association for the Study of Discourse and Writing	Award for the article “Risk, Regulation, and Rhetorical Boundaries” in <i>Communication Monographs</i> .
2012	Winner Graduate Student Research Symposium (Humanities & Design, 3rd place)	North Carolina State University	Poster competition among NC State graduate students.

2009	Best Graduate Student Paper Competition & Design	Association for Computing Machinery Special Interest Group on Design of Communication	Recognizes best proceedings paper submitted by a graduate student.
2009	Graduate Student Competition (Honourable Mention)	New York College English Association	Mention for a conference paper submitted to an award competition.

### 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
active 2021-23	CFI-JELF/ORF	PI	Demos Lab	60,000 CAD
active, 2020-25	SSHRC Insight Grant	Collaborator	Engaging Science with Philosophy: Best Practices for Fostering Effective Collaboration	188,179 CAD
active, 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	151,331 CAD
closed, 2016	SSHRC Connection Grant	Co-PI	Computational Rhetoric Workshop II	6,238 CAD
closed, 2015	Purdue Margo Katherine Wilke Undergraduate Research Internship	PI	Innovative Science Communication Practices	1,000 USD (500 for student)
closed*, 2014-15	Purdue Exploratory Research in the Social Sciences Grant	PI	Networked Expertise in Multidisciplinary STEM Collaborations	15,510 USD
closed*, 2014-15	Research Initiative Grant	PI	Hacking Science: Grassroots Organizing and Networked Expertise	2,174 USD
closed, 2014	Purdue Margo Katherine Wilke Undergraduate Research Internship	PI	Innovative Science Communication Practices	1,000 USD (500 for student)

closed, 2011	Research in Motion Corporate Philanthropy	PI	NC State Rhetoric Society of America Student Chapter	500 CAD
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\*Funds not spent and returned because I moved institutions.  
†Figures reported in Canadian dollars (CAD) and do not account for conversion from United States Dollars (USD); CAD is normally the lower-valued currency.

## Publications

(h-index = 14; i10-index = 20; 604 citations, 04 September 2023, Google Scholar)

Total	Publication or Presentation Type
2	Book (Monograph)
1	Book (Edited)
1	Edited Special Issue
24	Article
15	Book Chapter
6	Proceeding
13	Commentary or Book Review
16	Knowledge Mobilization Writing
30	Invited Presentation or Public Talk
63	Conference Presentations
56	Invited Colloquia, Workshop, or Guest Lecture

## Books

- [2] **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.

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

“Overall, the book is a timely account of expertise and expert status, illuminating the concepts from a rhetorical perspective.”

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

“Mehlenbacher’s expansive understanding of the conceptualization, application, and reception of expertise is much needed—even essential—in the present cultural moment. [...] Highly recommended.”

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

“[S]uch cross-field engagement is often fruitful as it exposes us to new ideas and helps us clarify the assumptions that we hold when thinking about expertise.”

- [1] **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.  
 “Mehlenbacher’s approach here is compelling and cohesive, connecting the theoretical basis of the book to the selected case studies in a way that develops a model for understanding broader historical trajectories and the current science communication landscape.”

↔ Reviewed by Roundtree, J. (2020). *Southern Journal of Communication*, 85(3): 207–208.  
 “Fitting with the book’s blending of the rhetoric of science scholarship with genre studies, this book will be of interest to genre studies and science communication scholars. [...] The mapping of the genre-ing discourses of science communication both furthers our understanding of how genres operate and shows how scientists have adapted their communications to shifting exigencies and audiences in online spaces.”

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

“Of interest to all in the sciences and those among the interested public who wish to participate in new ways. [...] Recommended.”

### 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: Architecture. *Enculturation: A Journal of Rhetoric, Writing, and Culture* 14.

### Journal Articles (an underline indicates trainee co-authors)

- [24] 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*. 7 pp. DOI: 10.1080/10572252.2023.2210204.
- [23] **Mehlenbacher, A. R.**, Eckert, C., Doody, S., Forst, S., & Mehlenbacher, B. (accepted). Proleptic Logics in Media Coverage of the IPCC Sixth Assessment Report, Part I. *Rhetoric Review*.
- [22] Moriarty, D. & **Mehlenbacher, A. R.** (2023). Reddit and Engaged Science Communication Online: An Examination of Reddit’s R/Science Ask-Me-Anythings and Science Discussion Series. *Technical Communication Quarterly*. 17pp. DOI: 10.1080/10572252.2023.2194676.
- [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

- [15] Mehlenbacher, B., & **Mehlenbacher, A. R.** (accepted, anticipated 2023). Peer Review and Hidden Modalities of Research Process Genres. In Natasha Artemeva, Liliana Cecilia Vásquez Rocca, & Chloe Grace Fogarty-Bourget (Eds.), *Trends and Challenges in Contemporary Multimodality Studies in International Contexts*. Routledge.
- [14] **Mehlenbacher, A. R.** (accepted, anticipated 2023). Metaphorology. In D. M. Gross, S. Mailloux, & L. Mao (Eds.), *Cambridge History of Rhetoric: Volume V 1900–*. Cambridge, UK: Cambridge University Press.
- [13] **Mehlenbacher, A. R.** (2023). Proleptic Suite. In J. Fahnestock & R. A. Harris (Eds.), *Routledge Handbook on Language and Persuasion*. 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*. 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. Aukun & 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*. (16 pp.). 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. 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/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)

- [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, P. A., & 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)

- [30] **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. Virtual presentation.
- [29] **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).
- [28] **Mehlenbacher, A. R.,** & Mehlenbacher, B. (4 May 2023). The Rhetoric of Big Data. NOVA Information Management School, Universidade NOVA de Lisboa, Lisboa, Portugal.
- [27] **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.
- [26] **Mehlenbacher, A. R.** (27 April 2023). Climate Communication in Canada. Sustainability and Culture research group, Københavns Universitet (University of Copenhagen), Copenhagen, Denmark.
- [25] **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.
- [24] **Mehlenbacher, A. R.** (2 November 2022). Detecting and Correcting Misinformation: Lessons Learned and Best Practices panel. Health Canada & CanCOVID. (virtual event).
- [23] **Mehlenbacher, A. R.** (20 April 2022). Talking About Sustainability. Sustainability Office. University of Waterloo, Waterloo, Ontario, Canada (virtual event).
- [22] **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).

- [21] **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).
- [20] **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.
- [19] **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.
- [18] **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.
- [17] **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.
- [16] **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.
- [15] **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.
- [14] **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.
- [13] **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.
- [12] **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.
- [11] **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.
- [10] **Mehlenbacher, A. R.** (24 May 2017). "#GameofGov Gamification Workshop" (panelist). *Federal Youth Network*. Canada School of Public Service, Toronto, Ontario, Canada. Panel.
- [9] **Mehlenbacher, A. R.** (24 November 2016). "Science Communication Online." *Speakers' Series for the MA Program in Humanities*, Laurentian University, Sudbury, Ontario, Canada. Guest speaker.
- [8] **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.
- [7] **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.

- [6] **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.
- [5] **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.
- [4] **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.
- [3] **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.
- [2] **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.
- [1] **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.

Conference Presentations (an underline indicates trainee co-authors)

- [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, P. A., 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, P. A., 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). *The 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." *113th 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). "Designed in Germany, Engineered in Denmark, Built in Canada: 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.

#### Invited Colloquia, Workshops, and Guest Lectures

- [56] **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. Guest lecture.
- [55] **Mehlenbacher, A. R.** (27 January 2022). "Feminist Rhetorical Theories" (ENGL 309C—Contemporary Rhetoric, Gordon Slethaug). University of Waterloo, Waterloo, Ontario, Canada. Guest lecture.
- [54] **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. Guest lecture.



- [53] **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.
- [52] **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. Virtual interview.
- [51] **Mehlenbacher, A. R.** (6 February 2020). Introduction to Rhetoric (ENGL 109—Introduction to Academic Writing, Lamees Al Ethari). University of Waterloo, Waterloo, Ontario, Canada. Guest lecture.
- [50] **Mehlenbacher, A. R.** (5 November 2019). "Coding Qualitative Data," (ENGL 795—Mapping Research Methods Rhetorically, Jennifer Clary-Lemon). University of Waterloo, Waterloo, Ontario, Canada. Guest lecture.
- [49] **Mehlenbacher, A. R.** (31 October 2019). "Conferencing," English Ph.D. professionalization program milestone course (Jennifer Harris), University of Waterloo, Waterloo, Ontario, Canada. Guest lecture.
- [48] **Mehlenbacher, A. R.** (17 September, 2019). Introduction to Rhetoric (ENGL 109—Introduction to Academic Writing, Lamees Al Ethari). University of Waterloo, Waterloo, Ontario, Canada. Guest lecture.
- [47] **Mehlenbacher, A. R.** (17 January 2019). "Citizen Science," (BASE—Bridge to Academic Success in English, Jesse Corwin). Renison University College, Waterloo, Ontario, Canada. Guest lecture.
- [46] **Mehlenbacher, A. R.** (20 November 2018 x2). "Ethics in Science Communication," (SCCOM 100—Communication in Science, Andrea Johnas). University of Waterloo, Waterloo, Ontario, Canada. Guest lecture.
- [45] **Mehlenbacher, A. R.** (19 November 2018). "Winning Science Communication," for UW Scinapse preparation for Ontario-wide Undergraduate Science Case Competition (USCC). University of Waterloo, Waterloo, Ontario, Canada. Workshop.
- [44] **Mehlenbacher, A. R.** (15 November 2018). "Publishing," English Ph.D. program milestone course (Jennifer Harris), University of Waterloo, Waterloo, Ontario, Canada. Guest lecture.
- [43] **Mehlenbacher, A. R.** (25 October 2018). "Rhetoric and Genre Theory," (MSP 5114—Communication Research Methods, Media Studies and Production, Andrew Iliadis), Temple University, Philadelphia, Pennsylvania, USA. Guest lecture.
- [42] **Mehlenbacher, A. R.** (23 October 2018). "Rhetoric of Science and Technology," (ENGL 700—Rhetorical Studies, Andrew McMurry). University of Waterloo, Waterloo, Ontario, Canada. Guest lecture.
- [41] **Mehlenbacher, A. R.** (10 October 2018). "Academic Career Conference," panel member for, Centre for Career Action. University of Waterloo, Waterloo, Ontario, Canada.
- [40] **Mehlenbacher, A. R.** (02 October 2018; two sections). Introduction to Rhetoric (ENGL 109—Introduction to Academic Writing, Lamees Al Ethari). University of Waterloo, Waterloo, Ontario, Canada. Guest lecture.
- [39] **Mehlenbacher, A. R.** (21 September 2018). "Teaching Undergraduate Communications for STEM Majors." University of Waterloo, Waterloo, Ontario, Canada. Co-facilitator.
- [38] **Mehlenbacher, A. R.** (11 September 2018). "Genre and Learning," (Course for Upper Secondary Teacher preparation, Anette Svensson). Jönköping University, Jönköping, Småland, Sweden. Guest lecture.
- [37] **Mehlenbacher, A. R.** (23 April 2018). "Online Impressions Workshop," panel member for Student Association for Graduates in English. University of Waterloo, Waterloo, Ontario, Canada. Workshop.

- [36] **Mehlenbacher, A. R.** (23 January 2018; two sections). Introduction to Rhetoric (ENGL 109—Introduction to Academic Writing, Lamees Al Ethari). University of Waterloo, Waterloo, Ontario, Canada. Guest lecture.
- [35] **Mehlenbacher, A. R.** (21 September 2017). Introduction to Rhetoric (ENGL 109—Introduction to Academic Writing, Lamees Al Ethari). University of Waterloo, Waterloo, Ontario, Canada. Guest lecture.
- [34] **Mehlenbacher, A. R.** (28 June 2017). The Rhetoric of Digital Design, (ENGL 408C, Marcel O’Gorman). University of Waterloo, Waterloo, Ontario, Canada. Guest lecture.
- [33] **Mehlenbacher, A. R.** (27 June 2017). Rhetoric of Science: Theories and Methods, (ENGL 793, Randy Allen Harris). University of Waterloo, Waterloo, Ontario, Canada. Guest lecture.
- [32] **Mehlenbacher, A. R.** (31 March 2017). “Grant Writing,” For Department of Fine Arts. University of Waterloo, Waterloo, Ontario, Canada. Workshop.
- [31] **Mehlenbacher, A. R.** (28 February 2017). Grant Writing, (ENGL 210G, Lamees Al Ethari). University of Waterloo, Waterloo, Ontario, Canada. Guest lecture.
- [30] **Mehlenbacher, A. R.** (24 January 2017; two sections). Introduction to Rhetoric (ENGL 109—Introduction to Academic Writing, Lamees Al Ethari). University of Waterloo, Waterloo, Ontario, Canada. Guest lecture.
- [29] **Mehlenbacher, A. R.** (15 November 2016). “Winning Science Communication,” For UW Scinapse preparation for Ontario-wide Undergraduate Science Case Competition (USCC). University of Waterloo, Waterloo, Ontario, Canada. Workshop.
- [28] **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.
- [27] **Mehlenbacher, A. R.** (4 July 2016). “Rhetoric of Science Online.” *Rhetoric of Science Graduate Seminar Mini-Conference*. University of Waterloo, Waterloo, Ontario, Canada. Keynote talk.
- [26] **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. Guest lecture.
- [25] **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. Guest lecture.
- [24] **Mehlenbacher, A. R.** (16 October 2015). “Dissertation Writing and the Academic Job Hunt.” *Games Institute Professional Development Series*. The Games Institute, University of Waterloo, Waterloo, Ontario, Canada. Workshop.
- [23] **Mehlenbacher, A. R.** (28 September 2015). “Preparing for the Academic Job Hunt.” *Games Institute Professional Development Series*. The Games Institute, University of Waterloo, Waterloo, Ontario, Canada. Workshop.
- [22] **Mehlenbacher, A. R.** (6 March 2015). “Environmental and Social Implications of Nanotechnology.” *Interactive Seminar Series*. Center for the Environment, Purdue University, West Lafayette, Indiana, USA. Panel talk.
- [21] **Mehlenbacher, A. R.** (11 March 2015). Foundations Of Human Comm. Inquiry, (COM 601, Torsten Reimer), Purdue University, West Lafayette, Indiana, USA. Guest lecture.

- [20] **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.
- [19] **Mehlenbacher, A. R.** (21 October 2014). "From Idea to Publication: The Road to Submission." For BLSC Communication Graduate Student Association. Purdue University, West Lafayette, Indiana, USA. Panel talk.
- [18] **Mehlenbacher, A. R.** (30 October 2014). Rhetoric and Risk in STM (ENG 306, Kenneth Walker), University of Arizona, Tucson, Arizona, USA. Guest lecture.
- [17] **Mehlenbacher, A. R.** (23 September 2014). "Writing Your Dissertation While on the Academic Job Market." For BLSC Ph.D. student writing group. Purdue University, West Lafayette, Indiana, USA. Guest lecture.
- [16] **Mehlenbacher, A. R.** (13 September 2014). "Advice for the Job Search" panel. For *Organizational Communication Mini Conference*. Purdue University, West Lafayette, Indiana, USA. Panel talk.
- [15] **Mehlenbacher, A. R.** (12 May 2014). "Job Hunting While Dissertation Writing." For *NC State Graduate School*. North Carolina State University's Hunt Library. Raleigh, North Carolina, USA. Guest speaker.
- [14] **Mehlenbacher, A. R.** (14 April 2014). Narrative Theory (COM 610, Robin Clair), Purdue University, West Lafayette, Indiana, USA. Guest lecture.
- [13] **Mehlenbacher, A. R.** (18 September 2014). Survey of Organizational Communication (COM 547, Patrice M. Buzzanell), Purdue University, West Lafayette, Indiana, USA. Guest lecture.
- [12] **Mehlenbacher, A. R.** (19 June 2013). "Writing Research Introductions in the Sciences." (For *NC State Library Graduate Student Workshop Series*. North Carolina State University's DH Hill and Hunt Libraries. Raleigh, North Carolina, USA. Workshop.
- [11] **Mehlenbacher, A. R.** (29 March 2013). "Preparing Your Dissertation for ETD with L<sup>A</sup>T<sub>E</sub>X." For *NC State Library Graduate Student Workshop Series*. North Carolina State University's Hunt Library, Raleigh, North Carolina, USA. Workshop.
- [10] **Mehlenbacher, A. R.** (22 March 2013). "Writing Research Introductions in the Sciences." (For *NC State Library Graduate Student Workshop Series*. North Carolina State University's DH Hill and Hunt Libraries. Raleigh, North Carolina, USA. Workshop.
- [9] **Mehlenbacher, A. R., & Kittle Autry, M.** (12 February 2013 and 11 March 2013). "Graduate Research Symposium: Poster Preparation and Practice Session." North Carolina State University's Department of English and Communication. Raleigh, North Carolina, USA.
- [8] **Mehlenbacher, A. R.** (18 January 2013). "Writing Research Introductions in the Sciences." (For *NC State Library Graduate Student Workshop Series*. North Carolina State University's DH Hill and Hunt Libraries. Raleigh, North Carolina, USA. Workshop.
- [7] **Mehlenbacher, A. R.** (19 October 2012). "Writing Research Introductions in the Sciences." (For *NC State Library Graduate Student Workshop Series*. North Carolina State University's DH Hill and Hunt Libraries. Raleigh, North Carolina, USA. Workshop.
- [6] **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.
- [5] **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.

- [4] **Mehlenbacher, A. R.** (12 April 2012). "Introduction to L<sup>A</sup>T<sub>E</sub>X." *CRDM Professional Development Seminar Series*. North Carolina State University, Raleigh, North Carolina, USA. Workshop.
- [3] **Mehlenbacher, A. R.** (15 March 2012). Environmental Communication (COM 436, William J. Kinsella). North Carolina State University, Raleigh, North Carolina, USA. Guest lecture.
- [2] **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.
- [1] **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.

#### Conferences, Workshops, and Panels Organized

- [13] "Rhetorics of Science, Environment, and Medicine." (May 2020; cancelled). Organized as President of the Association for the Rhetoric of Science, Technology, and Medicine; panel: Jennifer Clary-Lemon (University of Waterloo), S. Scott Graham (University of Texas–Austin), Donnie Sackey (University of Texas–Austin), J. Blake Scott (University of Central Florida), Lynda Walsh (University of Nevada–Reno), Emily Winderman (University of Minnesota–Twin Cities). *Rhetoric Society of America biennial conference*, Portland, OR, USA. Panel. Cancelled due to COVID–19 pandemic.
- [12] "Rhetorics of Technology." (May 2020; cancelled). Organized as President of the Association for the Rhetoric of Science, Technology, and Medicine; panel: Casey Boyle (University of Texas–Austin), Lauren Cagle (University of Kentucky), Randy Allen Harris (University of Waterloo), Aimee Kendall Roundtree (Texas State University), Zoltan Majdik (North Dakota State University), Carolyn R. Miller (North Carolina State University). *Rhetoric Society of America biennial conference*, Portland, OR, USA. Panel. Cancelled due to COVID–19 pandemic.
- [11] "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. Workshop.
- [10] "60 Minutes to Save the World." (20 February 2020). *ERA-related Youth Outreach Event*, organized with Danielle Bisnar Griffin, University of Waterloo, Waterloo, Ontario, Canada. Workshop.
- [9] Association for the Rhetoric of Science, Technology, and Medicine division programming. (14-17 November, 2019). National Communication Association. Baltimore, MD, USA. Conference.
- [8] "Citizen Science and Emerging Rhetorics of Science," co-organized with James Wynn (Carnegie Mellon University). (2019). *Rhetoric Society of America Summer Institute*, University of Maryland, College Park, MD, USA. Workshop.
- [7] "60 Minutes to Save the World." (21 February 2019). *ERA-related Youth Outreach Event*, organized with Devon Moriarty, University of Waterloo, Waterloo, Ontario, Canada. Workshop.
- [6] "Rhetoric of Science, Technology, and Medicine: Evidence." (7 November 2018). *Association for the Rhetoric of Science, Technology, and Medicine* pre-conference at the National Communication Association. Salt Lake City, UT, USA. Pre-conference.
- [5] "60 Minutes to Save the World." (28 September 2017). *Canadian Student Leadership Conference*, University of Waterloo, Waterloo, Ontario. Youth Outreach event for high school students. Workshop.
- [4] "Producing Anthropology, Producing Science: Citizen Science and Emerging Problematics," co-organized with Michael Scroggins (Teachers College, Columbia University) and also features Mascha Gugganig (University of British Columbia), Meghan Ferriter (Smithsonian Institution - OCIO/Quotient, Inc.) and Carolina Comandulli (University College London). (4 December 2014). *113th Annual Meeting of the American Anthropological Association*, Washington, DC, USA. Panel.

- [3] “Epistemological Frames, Public Spaces, and the ‘New’ Rhetorics of Grassroots Experiential Science,” co-organized with Elizabeth Pitts (North Carolina State University) and also features Steven B. Katz (Clemson University), Leah Ceccarelli (University of Washington), and Carolyn R. Miller (North Carolina State University). (21 November 2014). *National Communication Association 100th Annual Convention*, Chicago, IL, USA. Panel.
- [2] “Shifting Borders of Expertise in Science: The Rhetorical Work of Citizen and Civic Scientists,” with John Angus Campbell (University of Memphis), and Kenneth Walker (University of Arizona). (22-26 May 2014). *Conference of the Rhetoric Society of America*, San Antonio, Texas, USA. Panel.
- [1] “Scientists, Citizens, and Cyberspace: Expanding Scientific and Public Engagement in the Digital Age,” with Carolyn R. Miller (North Carolina State University), Jeanne Fahnestock (University of Maryland), James Wynn (Carnegie Mellon University), and Sarah Wardlaw (University of Washington). (17 November 2012). *National Communication Association 98th Annual Convention*, Chicago, Illinois, USA. Panel.

### Consulting, Research and Teaching Assistantships, and Professional Experience

2017	Workshop Facilitator, Observational Methods for VR Storytelling, GI—Namseoul University Exchange, University of Waterloo, Waterloo, Ontario, Canada
2014	Consultant, Thesis and Dissertation Support Services, North Carolina State University, Raleigh, NC, USA
2014	Adjunct Lecturer, English, North Carolina State University, Raleigh, NC, USA
2014	Adjunct Lecturer, Interdisciplinary Studies (Science, Technology, and Society Program), North Carolina State University, Raleigh, NC, USA
2014	Instructional Designer for STS 214 Online, Science, Technology, and Society Program, North Carolina State University, Raleigh, NC, USA
2012 – 2014	Graduate Teaching Assistant (Instructor of Record), Science, Technology, and Society Program, North Carolina State University, Raleigh, NC, USA
2011 – 2014	Research Assistant, Carolyn R. Miller, SAS Distinguished Professor of Rhetoric & Technical Communication, North Carolina State University, Raleigh, NC, USA
2011 – 2014	Graduate Teaching Assistant (Instructor of Record), English (Professional Writing Program), North Carolina State University, Raleigh, NC, USA
2011	Technical Writer, Handheld Applications R&D, Internal Docs team, Research in Motion Limited (now Blackberry), Waterloo, Ontario, Canada
2010 – 2011	Research Assistant, Public Communication of Science and Technology Project. PI David Berube, North Carolina State University, Raleigh, NC, USA
2009 – 2010	Lead Research Assistant, Rhetorical Figure Ontology Project. PIs Randy Allen Harris and Chrysanne DiMarco, University of Waterloo, Waterloo, Ontario, Canada
2009 – 2010	Research Assistant (volunteer), Inkpot Natural Language Processing HealthDocs Project. PI Chrysanne DiMarco (Computer Science), University of Waterloo, Waterloo, Ontario, Canada
2009	Junior Technical Writer, Handheld Applications R&D, Internal Docs team, Research in Motion Limited (now Blackberry), Waterloo, Ontario, Canada
2008 – 2010	Teaching Assistant, English Language and Literature, University of Waterloo, Waterloo, Ontario, Canada
2006 – 2007	Undergraduate Research Assistant, Waterloo Directory of English Newspapers. PI John North, University of Waterloo, Waterloo, Ontario, Canada & London, UK

### 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*, Available online: <https://www.timeshighereducation.com/news/canadian-nobel-wages-war-science-disinformation>

## Teaching

### Faculty Workshop Series

<b>YR(Term)</b>	<b>Course Title</b>	<b>Inst.</b>	<b>Enroll.</b>
2017 (F)	Teaching Technical and Scientific Communication	Waterloo	22

### Graduate Courses

<b>YR(Term)</b>	<b>Course No.</b>	<b>Course Title</b>	<b>Inst.</b>	<b>Enroll.</b>
2019 (F)	ENGL 700	Rhetorical Studies	Waterloo	24
2018 (F)	PS 614	Communicating with Diverse Audiences	Waterloo	46
2018 (S)	ENGL 789	Theory and Practice of Technical Communication	Waterloo	10
2017 (F)	PS 614	Communicating with Diverse Audiences	Waterloo	55
2017 (S)	ENGL 794	Qualitative Methods in Prof. Comm. & UX Research	Waterloo	8
2016 (F)	PS 614	Communicating with Diverse Audiences	Waterloo	53
2015 (F)	ENGL 789	Theory and Practice of Technical Communication	Waterloo	10
2015 (S)	COM 585	Qualitative Methods In Communication Research	Purdue	16
2014 (F)	COM 674	Genre Theory	Purdue	3

### Graduate Independent Study Courses

<b>YR(Term)</b>	<b>Course No.</b>	<b>Course Title</b>	<b>Inst.</b>	<b>Enroll.</b>
2016 (W)	ENGL 795	Qualitative Methods and UX	Waterloo	3
2015 (S)	COM 590	Theories of Rhetorical Criticism	Purdue	1
2015 (S)	COM 590	Pedagogy in Communication Technology Studies	Purdue	1
2014 (F)	EDCI 590	Genre Awareness and Education	Purdue	1

### Undergraduate Courses

<b>YR(Term)</b>	<b>Course No.</b>	<b>Course Title</b>	<b>Inst.</b>	<b>Enroll.</b>
2023 (F)	ENGL 492	Topics in the History and Theory of Rhetoric	Waterloo	TBD
2023 (F)	ENGL 193	Communication in the Sciences	Waterloo	TBD
2021 (S)	ENGL 492†	Topics in the History and Theory of Rhetoric	Waterloo	12
2021 (S)	ENGL 309C†‡	Contemporary Rhetorical Theory	Waterloo	28
2020 (F)	ENGL 309C†‡	Contemporary Rhetorical Theory	Waterloo	38
2020 (F)	ENGL 292†‡	Rhetorical Theory and Criticism	Waterloo	35
2020 (S)	ENGL 309C†‡	Contemporary Rhetorical Theory	Waterloo	37
2020 (S)	ENGL 292†‡	Rhetorical Theory and Criticism	Waterloo	37
2019 (F)	ENGL 493	Topics in Professional Writing and Communication Design	Waterloo	25
2018 (F)	ENGL 309C	Contemporary Rhetorical Theory	Waterloo	35
2016 (S)	ENGL 101B†‡	Introduction to Rhetorical Studies	Waterloo	32
2016 (S)	ENGL 210J	Technical Editing	Waterloo	21
2015 (F)	ENGL 210G	Grant Writing	Waterloo	19
2015 (W)	COM 411	Communication and Social Networks	Purdue	10
2014 (F)	COM 411	Communication and Social Networks	Purdue	18
2014 (S)	STS 214†	Introduction to Science, Technology, and Society	NC State	34
2014 (S)	ENG 331†	Communication for Engineering and Technology	NC State	23

2014 (S)	ENG 333†	Communication for Science and Research	NC State	23
2013 (S)	STS 214	Introduction to Science, Technology, and Society	NC State	17
2013 (S)	ENG 331†	Communication for Engineering and Technology	NC State	19
2013 (S)	ENG 333†	Communication for Science and Research	NC State	23
2012 (F)	ENG 333†	Communication for Science and Research	NC State	19
2012 (S)	STS 214	Introduction to Science, Technology, and Society	NC State	22
2012 (S)	ENG 331†	Communication for Engineering and Technology	NC State	20
2011 (F)	ENG 331	Communication for Engineering and Technology	NC State	20
2010 (W)	ENGL 109*†	Introduction to Academic Writing	Waterloo	27
2008 (F)	ENGL 109*	Introduction to Academic Writing	Waterloo	30

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. 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

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

Devon Moriarty, co-chair of advisory committee with Randy Allen Harris, Ph.D. in English Language and Literature (SSHRC-funded), in progress

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

↔ now Assistant Professor, School of Media and Communication, Temple University

#### Graduate Supervision/Doctoral Committees

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

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

Liahm Ruest, 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

## Service

### Service to the Discipline

#### Leadership Roles

2016–present	Co-General Editor, <i>Genre Across Borders</i>
2020–2022	Program Designer, “Science Communication Certificate,” Royal Canadian Institute for Science
2019–2021	Member of the Board of Directors, 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

2019–present	Editorial Board for <i>Written Communication</i>
2021–2022	Member of the International Scientific Committee for the Digital Genres and Open Science International Conference, University of Zaragoza (Spain)
2017–2019	Member of Advisory Board for the Centre for Genre Research at the University of Copenhagen
2016–2017	Academic Co-Chair for 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

2023	Member of the Trust, Integrity and Ethics in Science Roundtable. <i>Beyond Endless Frontiers</i> (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.

#### Grant Reviewer (dates removed to protect anonymity)

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

Swiss National Science Foundation

National Science Foundation (United States), CAREER program

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

**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)**

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

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

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

Canadian Association for the Study of Discourse and Writing (CASDW) Dissertation Award Committee

Service to the University/Faculty

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

Service to the Department

2023-present	Member, English Undergraduate Communications Requirement Committee
2021-2022	Member, Chair Nominating Committee
2017–2020	Member, Graduate Studies Committee
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 and Outreach to the Community

2020	Member, Program Committee, Royal Canadian Institute for Science – Waterloo Chapter, Waterloo, Ontario, Canada
2018	Role model, “Mayor Dave Jaworsky and Jan Jaworsky Present: Waterloo Girls in STEAM,” University of Waterloo
2012	Judge, Fred A Olds Elementary School Science Fair, Raleigh, North Carolina
2012	Guest lecturer, “Rhetoric and the Rhetoric of Science,” Broughton High School International Baccalaureate Theory of Knowledge class, Raleigh, North Carolina
2011 & 2012	Activity leader, “Exploring Materials—Thin Film,” Museum of Life and Science, Durham, North Carolina