

# Dr. Ashley Rose Mehlenbacher

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## Degrees

Ph.D. Communication, Rhetoric, & Digital Media, North Carolina State University, 2010-2014  
M.A. Rhetoric and Communication Design (Co-op), University of Waterloo, 2008-2010  
B.A. Literature and Rhetoric, University of Waterloo, 2005-2008

## Dissertation Title

Hacking Science: Emerging Parascientific Genres and Public Participation in Scientific Research (Chair: Carolyn R. Miller)

## Post PhD Employment (other than at Waterloo)

2014-2015 Assistant Professor, Purdue University (tenure-track)  
2014 Adjunct Lecturer, North Carolina State University (summer teaching)

## Employment at Waterloo

2018-present Assistant Professor, University of Waterloo (tenure-stream, 2nd probationary term)  
2015-2018 Assistant Professor, University of Waterloo (tenure-stream, 1st probationary term)

## Grants, Awards, and Honours

### Grants and Sponsored Research

Program	Role	Project	Funding	Status
SSHRC Insight Grant	PI	Networked Expertise as a Novel Approach to Complex Problem Solving	73,676 CAD	active, 2018-2022
Ministry of Research, Innovation, and Science Early Researcher Award	PI	Networked Expertise as a Novel Approach to Complex Problem Solving	140,000 CAD	active, 2017-2022
UW Matching Funds for Early Researcher Award	PI	Networked Expertise as a Novel Approach to Complex Problem Solving	50,000 CAD	active, 2017-2022
ORF Small Research Infrastructure	Co-PI	Waterloo Virtual Reality Storytelling Lab	35,000 CAD	active, 2017
CFI John R. Evans Leaders Fund	Co-PI	Waterloo Virtual Reality Storytelling Lab	35,000 CAD	active, 2017
UW/SSHRC Seed Grant	PI	Networked Expertise in Multidisciplinary STEM Collaborations	3,940 CAD	closed, 2015-2018

SSHRC Insight Grant	Collaborator	Computational Rhetoric: Schemes, Construction Grammar and Cognition	151,331 CAD	closed, 2015–2017
SSHRC Connection Grant	Co-PI	Computational Rhetoric Workshop II	6,238 CAD	closed, 2016
Purdue Margo Katherine Wilke Undergraduate Research Internship	PI	Innovative Science Communication Practices	1,000 USD (500 for student)	closed, 2015
Purdue Exploratory Research in the Social Sciences Grant	PI	Networked Expertise in Multidisciplinary STEM Collaborations	15,510 USD	closed†, 2014–2015
Research Initiative Grant	PI	Hacking Science: Grassroots Organizing and Networked Expertise	2,174 USD	closed†, 2014–2015
Purdue Margo Katherine Wilke Undergraduate Research Internship	PI	Innovative Science Communication Practices	1,000 USD (500 for student)	closed, 2014
Research in Motion Corporate Philanthropy Grant	PI	NCSU Rhetoric Society of America Student Chapter	500 CAD	closed, 2011
<b>Total Awarded Funding</b>			<b>\$515,369</b>	
<b>Total PI/Co-PI Funding</b>			<b>\$364,038</b>	

†funds not spent and returned because I moved institutions.

### Honours and Research Awards

Honour/Award	Organization	Year
Member of Advisory Board	Centre for Genre Research at the University of Copenhagen	2017–present
Top Papers Panel	Association for the Rhetoric of Science, Technology, and Medicine at the National Communication Association meeting	2018
CRDM Distinguished Alumni Award	Communication, Rhetoric, and Digital Media at North Carolina State University	2018
Honourable Mention, Nell Ann Pickett Award for 2017 article “Crowdfunding Science: Exigencies and Strategies in an Emerging Genre of Science Communication”	Association of Teachers of Technical Writing	2018
Outstanding Performance Award	University of Waterloo	2017
Joan Pavelich Award for the Best Dissertation	Canadian Association for the Study of Discourse and Writing	2015
Outstanding Dissertation Award in Technical Communication	NCTE/CCCC	2015

College of Humanities and Social Sciences Dissertation Award	North Carolina State University	2014
Nominated CGS/ProQuest Social Sciences Distinguished Dissertation Award	North Carolina 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 Dis- course and Writing	2014
Winner Graduate Student Research Sympo- sium (Humanities & Design, 3rd place)	North Carolina State University	2012
Best Graduate Student Paper competition & Design	Association for Computing Machinery Spe- cial Interest Group on Design of Comm.	2009
Graduate Student Competition (Honourable Mention)	New York College English Association	2009

### Competitive Scholarships

<b>Program</b>	<b>Organization</b>	<b>Support</b>	<b>Year</b>
Preparing the Professoriate Fellowship	North Carolina State University	1,000 USD	2012– 2014
Travel Grant	Public Participation in Scientific Research travel grant, for conference attendance	900 USD	2012
Travel Grant	Genre 2012 Scholarship	100 CAD	2012
Travel Grant	ScienceOnline Student Scholarship	100 USD (registration)	2012
Travel Grant	NCA Mentor Fund Convention Subsidy	500 USD	2012
Travel Grant	National Science Foundation (for the An- nual Meeting of the Society for the Social Studies of Science)	300 USD	2011
Gladys Srivastava Graduate Award	University of Waterloo	5,000 CAD	2010
Arts Graduate Experience Award	University of Waterloo	1,568 CAD	2010
J. Armand Bombardier Graduate Scholarship– Masters	Social Sciences and Humanities Research Council of Canada (SSHRC)	17,500 CAD	2010
President’s Graduate Schol- arship	University of Waterloo	10,000 CAD	2009– 2010
Travel Grant	Association for Computing Machinery	1,275 USD	2009
Faculty of Arts Graduate Scholarship	University of Waterloo	5,000 CAD	2009
Graduate Scholarship	University of Waterloo	2,000 CAD	2008
Arts Graduate Experience Award,	University of Waterloo	1,110 CAD	2008
Travel Grant	Canadian Association for Studies in Dis- course	100 CAD	2008
<b>Total Funding</b>		<b>\$46,453</b>	

## Publications

### Book

- [1] **Mehlenbacher, A. R.** (forthcoming April 2019). *Science Communication Online: Engaging Experts and Publics on the Internet*. Columbus, OH: The Ohio State University Press. ISBN 978-0-814-21398-8.

### Edited Book

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

### Edited Special Issue

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

### Journal Articles (\* indicates student co-authors)

- [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.** (accepted and forthcoming). Durable Research, Portable Findings: Rhetorical Methods in Case Study Research. *Technical Communication Quarterly*.
- [16] **Mehlenbacher, A. R.** (accepted and forthcoming). Genre Within and Across Borders. *Rhetor*.
- [15] Fargo Ahern, K. & **Mehlenbacher, A. R.** (2018). Listening for Genre Multiplicity in Classroom Soundscapes. *Enculturation*, 26. 22pp. Available online: <http://enculturation.net/listening-for-genre-multiplicity>
- [14] **Mehlenbacher, A. R.** (2017). Rhetorical Figures as Argument Schemes—The Proleptic Suite. *Argument & Computation*, 8(3), 233–252. DOI: 10.3233/AAC-170028
- [13] **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
- [12] **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
- [11] Brock, K. & **Mehlenbacher, A. R.** (2017). Rhetorical Genres in Code. *Journal of Technical Writing and Communication*, 48(4), 383–411. DOI: 10.1177/0047281617726278
- [10] 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
- [9] 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.
- [8] Miller, C. R., Walsh, L., Wynn, J., **Kelly [now Mehlenbacher], A. R.**, Walker, K. C., White, W. J., Winderman, E., and 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. [Authorship note: seven authors listed here wrote manuscript]

- [7] **Kelly [now 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.
- [6] 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
- [5] **Kelly [now 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.
- [4] **Kelly [now 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.
- [3] **Kelly [now 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.
- [2] 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.
- [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

- [9] **Mehlenbacher, A. R., & Mehlenbacher, B.** (submitted). The Case of the Scientific Research Article and Lessons Concerning Genre Change Online. In María José Luzón & Carmen Pérez-Llantada (Eds.). *Genres and Science in the Digital Age: Connecting Traditional and New Genres*. John Benjamins.
- [8] **Mehlenbacher, A. R.**, (accepted and forthcoming). Exploring Conversations about Science in New Media. In L. Walsh & D. Gruber (Eds.), *Routledge Handbook of Language and Science*. New York: Routledge.
- [7] **Mehlenbacher, A. R., & Mehlenbacher, B.** (accepted and forthcoming). Rogue Rhetorical Actors: Scientists and the Social Action of Tweeting Climate Change Facts. In Sune Auken, Jack Andersen, Christel Sunesen, & Helle Bildsøe (Eds.), *Genres of the Climate Debate*. Berlin, Germany: Mouton–De Gruyter.
- [6] Mehlenbacher, B. & **Mehlenbacher, A. R.** (accepted and forthcoming). Distance Learning. *Encyclopedia of Education and Information Technologies*. Springer.
- [5] **Kelly [now Mehlenbacher], A. R.** (2016). Emerging Genres of Science Communication and their Ethical Exigencies. In B. Vanacker and 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] **Kelly [now 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.

- ↔ Reprinted. **Mehlenbacher, A. R.** & Miller, C. R. (2017). Intersections: Scientific and Parascientific Communication on the Internet. In R.A. Harris (Ed.). *Landmark Essays on the Rhetoric of Science: Case Studies* (pp. 239–260), 2nd edition. Routledge.
- [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] **Kelly [now 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.
- [4] **Kelly [now 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] **Kelly [now 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] **Kelly [now 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] **Kelly [now 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] **Mehlenbacher, A. R.** (2019). Registered Reports: An Emerging Scientific Research Article Genre. *Written Communication Podcast*. Invited.
- [4] Fargo Ahern, K. & **Mehlenbacher, A. R.** (forthcoming). Listening to New Voices: Silence, Repair, Hybridity. *International Journal of Listening*. 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] **Kelly [now 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., **Kelly [now 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 (\* indicates student co-authors)

- [6] Griffin, D.B.\*, Black, L.A.\*, Balbon, A.P.\*, & **Mehlenbacher, A. R.** (forthcoming). Book Review Essay: Tales of Tiger Beetles and Other Citizen Sciences. *East Asian Science, Technology and Society*. **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] **Kelly [now Mehlenbacher], A. R.** (2016). *Innovations in Home Energy Use: A Sourcebook for Behavior Change*, Southwell, B.G., Doran, E.M.B., Richman, L.S. (Eds.). RTI Press, Research Triangle Park, NC (2016). *Energy Research & Social Science*. DOI: 10.1016/j.erss.2016.04.003. **Invited.**
- [2] **Kelly [now 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. DOI: 10.1080/10572252.2014.1001639. **Invited.**
- [1] **Kelly [now 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

- [12] **Kelly [now Mehlenbacher], A. R.** (5 June 2014.). Distribution of Air Pollutants and Grassroots Monitoring. *Discover Magazine's "Citizen Science Salon."*
- [11] **Kelly [now Mehlenbacher], A. R.** (2 May 2014). WEIRD Behavioral Research. *PLOS Citizen Sci.*  
↔ Republished (3 May 2014) in *SciStarter* as Making Science Less WEIRD.
- [10] **Kelly [now Mehlenbacher], A. R.** (3 February 2014). Homebrew Sensing Project: DIY Environmental Monitoring. *SciStarter.*  
↔ Republished (04 February 2014) in *PLOS Citizen Sci.*
- [9] **Kelly [now Mehlenbacher], A. R.** (27 September 2013). Fraxinus to Fight Fungus. *SciStarter.*
- [8] **Kelly [now 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] **Kelly [now Mehlenbacher], A. R.** (9 July 2013). Citizen Science and Art: Exploring Biohackers and Bioartists. *PLOS Citizen Sci.*  
↔ Republished (18 July 2013) in *SciStarter.*
- [6] **Kelly [now Mehlenbacher], A. R.** Music, Mayans, Maps: Citizen Science and the Digital Humanities. *PLOS Citizen Sci.* 3 June 2013.

- [5] **Kelly [now 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* (Science Report)
- [4] Walker, K., Naidu, A., & **Kelly [now Mehlenbacher], A. R.** (1 April 2013). International Citizen Science for Indian Tiger Conservation. *PLOS Citizen Sci.*
- [3] **Kelly [now Mehlenbacher], A. R.** (7 February 2013). Science and Society: Voices from the Humanities and Social Sciences. *PLOS Citizen Sci.*
- [2] **Kelly [now Mehlenbacher], A. R.** (7 January 2013). Citizen Science in Crisis Situations. *PLOS Citizen Sci.*
- [1] **Kelly [now Mehlenbacher], A. R.** (2013). South Carolina (utilities, energy sources and transmission). *Encyclopedia of Energy*. Vol. 4. Ed. Morris A. Pierce. Salem Press. 1167–1168.

## Presentations

### Invited Presentations

- [15] **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. Invited speaker.
- [14] **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. Invited speaker.
- [13] **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. Public lecture.
- [12] **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. Public lecture.
- [11] **Mehlenbacher, A. R.** (24 May 2017). "#GameofGov Gamification Workshop" (panelist). *Federal Youth Network*. Canada School of Public Service, Toronto, Ontario.
- [10] **Kelly [now Mehlenbacher], A. R.** (24 November 2016). "Science Communication Online." *Speakers' Series for the MA Program in Humanities*, Laurentian University, Sudbury, Ontario.
- [9] **Kelly [now Mehlenbacher], A. R.** (25 May 2016). "Social Media and New Forms of Professional Communication." Southwestern Ontario Chapter Society for Technical Communication, Kitchener, Ontario.
- [8] **Kelly [now 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.
- [7] **Kelly [now 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.
- [6] **Kelly [now 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.



- [5] **Kelly [now 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.
- [4] **Kelly [now 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.
- [3] **Kelly [now Mehlenbacher], A. R.** (20 October 2013). "Is Rhetoric the Missing Piece of Your Writing Puzzle?" *Literature Review HQ*. Podcast interview and discussion.
- [2] **Kelly [now 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] **Kelly [now 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

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

- [43] **Kelly [now 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.
- [42] **Kelly [now 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] **Kelly [now 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] **Kelly [now 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] **Kelly [now 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] **Kelly [now 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] **Kelly [now Mehlenbacher], A. R.** (18 November 2015). "Extensions of Rhetorical Agency in Grass-roots Sensing Technologies." *National Communication Association 101st Annual Convention*. Las Vegas, Nevada, USA.
- [36] **Kelly [now 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] **Kelly [now Mehlenbacher], A. R.** (4 June 2015). "A Rhetoric of Good Data." *Canadian Communication Association*. University of Ottawa. Ottawa, Ontario, Canada.
- [34] Brock, K. & **Kelly [now Mehlenbacher], A. R.** (10 April 2015). "Rhetorical Genres in Code." *Indiana Digital Rhetoric Symposium*, Indiana University. Bloomington, Indiana, USA.
- [33] Mehlenbacher, B., & **Kelly [now 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] **Kelly [now 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] **Kelly [now 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] **Kelly [now 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] **Kelly [now Mehlenbacher], A. R.** (7 November 2014). "Hacking Science: New Modes of Ethical Engagement." *International Symposium on Digital Ethics*. Chicago, Illinois, USA.
- [28] **Kelly [now 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] **Kelly [now 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] **Kelly [now Mehlenbacher], A. R.** (20 March 2014). "Rhetorical Accommodation and Open Access Publishing." *Conference on College Composition and Communication*. Indianapolis, Indiana, USA.
- [25] **Kelly [now 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., & **Kelly [now 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., **Kelly [now 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] **Kelly [now 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] **Kelly [now 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] **Kelly [now 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. (Cited in: Bultitude, Karen. Web-Based Channels for Science Communication. In Leo Tan Wee Hin and R. Subramaniam (Eds.) *Communicating Science to the Public: Opportunities and Challenges for the Asia-Pacific Region*. Netherlands: Springer, 2014. 225–246.)
- [19] Abbott, N., & **Kelly [now 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] **Kelly [now 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] **Kelly [now 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. & **Kelly [now 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] **Kelly [now 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] **Kelly [now 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., & Kelly [now 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] Kelly [now 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., & Kelly [now 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] Kelly [now 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] Kelly [now 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] Kelly [now 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] Kelly [now Mehlenbacher], A. R., Abbott, N., Harris, R.A., & DiMarco, C. (28 Sept. 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] Kelly [now Mehlenbacher], A. R., Wallace, J., Cerar, K. Randall, N., McClelland, P. Seto, A.M. & Scott, S.D. (27 Sept. 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] Kelly [now 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] Kelly [now 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] Kelly [now Mehlenbacher], A. R., & McDougall, A. (24 October 2009). “Crossing Disciplinary Boundaries is Risky Business.” *Risk! New York College English Association*. Niagara County Community College. Sanborn, New York, USA.
- [2] Kelly [now 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] Kelly [now 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.

### Conferences, Workshops, and Panels Organized

- [7] "Citizen Science and Emerging Rhetorics of Science," co-organized with James Wynn (Carnegie Mellon University). (upcoming 2019). *Rhetoric Society of America Summer Institute*, University of Maryland, College Park, MD, USA.
- [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.
- [5] "60 Minutes to Save the World." (28 September, 2017). *Canadian Student Leadership Conference*, University of Waterloo, Waterloo, Ontario. Youth Outreach event for Canadian high school students.
- [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.
- [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.
- [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.
- [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.

### Professional Affiliations

Rhetoric Society of America, 2009–present

Association for the Rhetoric of Science and Technology, 2012–present

National Communication Association, 2012–present

### Consulting, Research, and Professional Experience

- 2017 Workshop Facilitator, Observational Methods for VR Storytelling, The Games Institute—Namseoul University Exchange, University of Waterloo, Waterloo, Ontario, Canada
- 2014 Consultant, Thesis and Dissertation Support Services, NC State University, Raleigh, NC, USA
- 2014 Instructional Designer for STS 214 Online, Interdisciplinary Studies (Science, Technology, and Society Program), NC State University, Raleigh, NC, USA
- 2012 – Graduate Teaching Assistant (Instructor of Record), Interdisciplinary Studies (Science, Technology, and Society Program), NC State University, Raleigh, NC, USA
- 2011 – Research Assistant, Carolyn R. Miller, SAS Institute Distinguished Professor of Rhetoric and
- 2014 Technical Communication, NC State University, Raleigh, NC, USA
- 2011 – Graduate Teaching Assistant (Instructor of Record), English (Professional Writing Program),
- 2014 NC State University, Raleigh, NC, USA

- 2011 Technical Writer, Handheld Applications R&D, Internal Docs team, Blackberry (formerly Research in Motion Limited), Waterloo, ON, Canada
- 2010 – Research Assistant, Public Communication of Science and Technology Project. PI David Berube,  
2011 NC State University, Raleigh, NC, USA
- 2009 – Lead Research Assistant, Rhetorical Figure Ontology Project. PIs Randy Allen Harris (English)  
2010 and Chrysanne DiMarco (Computer Science), University of Waterloo, Waterloo, ON, Canada
- 2009 – Research Assistant, PI Neil Randall (volunteer), working with the Collaborative Systems Lab  
2010 (Systems Design Engineering), University of Waterloo, Waterloo, ON, Canada
- 2009 – Research Assistant (volunteer), Inkpot Natural Language Processing HealthDocs Project. PI  
2010 Chrysanne DiMarco (Computer Science), University of Waterloo, Waterloo, ON, Canada
- 2009 Junior Technical Writer, Handheld Applications R&D, Internal Docs team, Blackberry (formerly  
Research in Motion Limited), Waterloo, ON, Canada
- 2008 – Teaching Assistant, English Language and Literature, University of Waterloo, Waterloo, ON,  
2010 Canada
- 2005 – Undergraduate Research Assistant, Waterloo Directory of English Newspapers. PI John North  
2007 (English), University of Waterloo, Waterloo, ON, Canada & London, England, UK

## Teaching and Advising

### Faculty Workshop Series

YR(Term)	Course Title	Inst.	Enroll.
2017 (F)	Teaching Technical and Scientific Communication	UW	22

### Graduate Courses

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

### Graduate Independent Study Courses

YR(Term)	Course No.	Course Title	Inst.	Enroll.
2016 (W)	ENGL 795	Qualitative Methods and UX	UW	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

YR(Term)	Course No.	Course Title	Inst.	Enroll.
2019 (F)	ENGL 292	Rhetorical Theory and Criticism	UW	TBD
2018 (F)	ENGL 309C	Contemporary Rhetorical Theory	UW	35
2016 (S)	ENGL 101B*	Introduction to Rhetorical Studies	UW	32
2016 (S)	ENGL 210J	Technical Editing	UW	21
2015 (F)	ENGL 210G	Grant Writing	UW	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	NCSU	34
2014 (S)	ENG 331*	Communication for Engineering and Technology	NCSU	23
2014 (S)	ENG 333*	Communication for Science and Research	NCSU	23
2013 (S)	STS 214	Introduction to Science, Technology, and Society	NCSU	17
2013 (S)	ENG 331*	Communication for Engineering and Technology	NCSU	19
2013 (S)	ENG 333*	Communication for Science and Research	NCSU	23
2012 (F)	ENG 333*	Communication for Science and Research	NCSU	19
2012 (S)	STS 214	Introduction to Science, Technology, and Society	NCSU	22
2012 (S)	ENG 331*	Communication for Engineering and Technology	NCSU	20

2011 (F)	ENG 331	Communication for Engineering and Technology	NCSU	20
2010 (W)	ENGL 109	Introduction to Academic Writing (section TA)	UW	27
2008 (F)	ENGL 109	Introduction to Academic Writing (section TA)	UW	30

\* online course.

### Doctoral Supervision

Devon Moriarty, co-chair of advisory committee, Ph.D. in English Language and Literature, in progress

Andrew J. Iliadis, co-chair of advisory committee 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," defended 2016

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

### Doctoral Committees

Betsy Brey, member of advisory committee, Ph.D. in English Language and Literature, in progress

Becky Anderson, member of advisory committee, Ph.D. in English Language and Literature, in progress

Chris Lawrence, member of advisory committee, Ph.D. in English Language and Literature, in progress

Farzad Kolahjooei, member of advisory committee, Ph.D. in English Language and Literature, defended 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," defended 2016

### Masters Supervision

Lillian A. Black, supervisor, M.A. in Rhetoric and Communication Design (Major Research Project option), in progress

Paula Núñez de Villavicencio, supervisor, M.A. in Rhetoric and Communication Design (Major Research Project option), "Wearable Technology in the Digital Age: An Analysis of Smartwatches and Information Consumption Practices," 2018

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

Max Renner, co-chair of advisory committee with Josh Scacco, (Purdue University, Communication), M.A. (thesis option) in Communication (Purdue University), "Superheroes and Social Action: Reproduction, Recurrence, and Recognition in the Superhero Genre," defended 2016

### Masters Committees

Kaitlin O'Brien, second reader for capstone, M.A. in Experimental Digital Media, "Corporate and Organizational Communication in Games Culture," 2017

Rob Parker, second reader for capstone, M.A. in Rhetoric and Communication Design, "Creating Critical Messes: Videogame Scholarship Beyond the Core," 2016

Jessica Fawley, member of advisory committee, M.A. in Communication (Purdue University), "Imaginative Resistance: Unimaginable Narratives & Contested Realities in the Right to Die vs. Disability Rights Perspectives on Medical Euthanasia," 2015



### Undergraduate Research Supervisor

Supervisor, Lillian A. Black, English Language and Literature Thesis, 2018

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

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

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

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

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

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

Research director, Julia Pritchett, Purdue, 2015

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

### Research Assistantship Supervisor

Devon Moriarty, Doctor of Philosophy in English; Networked Expertise as a Novel Approach to Complex Problem Solving, Fall 2017 - Spring 2019; Mentor for Moriarty's HASTAC Scholar participation, 2018-2020

Lillian A. Black, Bachelor of Arts in Rhetoric, Media, and Professional Communication; Networked Expertise as a Novel Approach to Complex Problem Solving, co-op student for Fall 2017, and undergraduate research assistant Winter and Spring 2018; MA research assistant Fall 2018-Spring 2019

Ana Patricia Balbon, Bachelor of Science in Honours Science; Networked Expertise as a Novel Approach to Complex Problem Solving, Fall 2018-Spring 2019

Danielle Bisnar Griffin, Bachelor of Arts in Rhetoric, Media, and Professional Communication; Networked Expertise as a Novel Approach to Complex Problem Solving, Fall 2018-Spring 2019

Monica Cathryn Bustos, Bachelor of Science in Health Studies; Networked Expertise as a Novel Approach to Complex Problem Solving, Winter 2018

Helen Cai, Bachelor of Science in Health Studies; Networked Expertise as a Novel Approach to Complex Problem Solving, Winter 2018

Paula Núñez de Villavicencio, Master of English, Networked Expertise as a Novel Approach to Complex Problem Solving, Winter 2018

Shania Trepanier, Bachelor of Arts in Knowledge Integration; Networked Expertise as a Novel Approach to Complex Problem Solving, Fall 2017

Kelsey Metz, Bachelor of Social Work Candidate (Renison University College); Networked Expertise as a Novel Approach to Complex Problem Solving, Fall 2017

Sara Majid, Bachelor of Arts in Psychology; Networked Expertise as a Novel Approach to Complex Problem Solving, Spring 2017

Jamie Bate, Bachelor of Arts in Knowledge Integration; Networked Expertise as a Novel Approach to Complex Problem Solving, Spring 2017

Shawn Corsetti, Bachelor of Arts in Psychology; Networked Expertise as a Novel Approach to Complex Problem Solving, Spring 2017

Zainab Salman, Bachelor of Arts in Psychology; Networked Expertise as a Novel Approach to Complex Problem Solving, Spring 2017

Jason Chen, Bachelor of Accounting and Financial Management; Science Blogs & Networked Expertise as a Novel Approach to Complex Problem Solving, Spring 2017

Cailin Younger, Bachelor of Arts in Global Business and Digital Arts; Scientific Ethos in Reddit's /r/science AMAs, Spring 2017

Catherine Lemer, Bachelor of Arts in Linguistics (Purdue); Innovative Science Communication Practices, 2014-2015

Invited On-Campus Colloquia, Workshops, and Guest Lectures

- [40] **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.
- [39] **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.
- [38] **Mehlenbacher, A. R.** (15 November 2018). "Publishing," English Ph.D. program milestone course (Jennifer Harris), University of Waterloo, Waterloo, Ontario, Canada. Guest lecture.
- [37] **Mehlenbacher, A. R.** (25 October 2018). "Rhetoric and Genre Theory," (MSP 5114—Communication Research Methods, Media Studies and Production, Andrew Iliadis), Temple University, Philadelphia, PA, USA. Guest lecture.
- [36] **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.
- [35] **Mehlenbacher, A. R.** (10 October 2018). "Academic Career Conference," panel member for, Centre for Career Action. University of Waterloo, Waterloo, Ontario, Canada.
- [34] **Mehlenbacher, A. R.** (02 October 2018 x2; 23 January 2018, x2; 21 September 2017; 24 January 2017, x2). Introduction to Academic Writing (ENGL 109, Lamees Al Ethari). University of Waterloo, Waterloo, Ontario, Canada. Guest lecture.
- [33] **Mehlenbacher, A. R.** (21 September 2018). "Teaching Undergraduate Communications for STEM Majors." University of Waterloo, Waterloo, Ontario, Canada. Co-facilitator.
- [32] **Mehlenbacher, A. R.** (11 September 2018). "Genre and Learning," (Course for Upper Secondary Teacher preparation, Anette Svensson). Jönköping University, Jönköping, Småland, Sweden. Guest lecture.
- [31] **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.
- [30] **Mehlenbacher, A. R.** (28 June 2017). The Rhetoric of Digital Design, (ENGL 408C, Marcel O’Gorman). University of Waterloo, Waterloo, Ontario, Canada. Guest lecture.
- [29] **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.
- [28] **Mehlenbacher, A. R.** (31 March 2017). "Grant Writing," For Department of Fine Arts. University of Waterloo, Waterloo, Ontario, Canada. Workshop.
- [27] **Mehlenbacher, A. R.** (28 February 2017). Grant Writing, (ENGL 210G, Lamees Al Ethari). University of Waterloo, Waterloo, Ontario, Canada. Guest lecture.
- [26] **Kelly [now 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.
- [25] **Kelly [now 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.
- [24] **Kelly [now 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.

- [23] **Kelly [now Mehlenbacher], A. R.** (3 November 2015). Colloquium in Communication, Rhetoric, and Digital Media, (CRD 809, Adriana de Souza e Silva), NC State, Raleigh, North Carolina, USA. Guest lecture.
- [22] **Kelly [now 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.
- [21] **Kelly [now 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.
- [20] **Kelly [now 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.
- [19] **Kelly [now 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.
- [18] **Kelly [now Mehlenbacher], A. R.** (11 March 2015). Foundations Of Human Comm. Inquiry, (COM 601, Torsten Reimer), Purdue University, West Lafayette, Indiana, USA. Guest lecture.
- [17] **Kelly [now 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.
- [16] **Kelly [now 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.
- [15] **Kelly [now Mehlenbacher], A. R.** (30 October 2014). Rhetoric and Risk in STM (ENG 306, Kenneth Walker), University of Arizona, Tucson, Arizona, USA. Guest lecture.
- [14] **Kelly [now 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.
- [13] **Kelly [now 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.
- [12] **Kelly [now Mehlenbacher], A. R.** (12 May 2014). "Job Hunting While Dissertation Writing." For *NC State Graduate School*. NC State Hunt Library. Raleigh, North Carolina, USA. Guest speaker.
- [11] **Kelly [now Mehlenbacher], A. R.** (14 April 2014). Narrative Theory (COM 610, Robin Clair), Purdue University, West Lafayette, Indiana, USA. Guest lecture.
- [10] **Kelly [now Mehlenbacher], A. R.** (18 September 2014). Survey of Organizational Communication (COM 547, Patrice M. Buzzanell), Purdue University, , West Lafayette, Indiana, USA. Guest lecture.
- [9] **Kelly [now Mehlenbacher], A. R.** (19 October 2012; 18 January 2013; 22 March 2013; 19 June 2013). "Writing Research Introductions in the Sciences." (For *NC State Library Graduate Student Workshop Series*. NC State DH Hill and Hunt Libraries. Raleigh, North Carolina, USA. Workshop.
- [8] **Kelly [now Mehlenbacher], A. R.** (29 March 2013). "Preparing Your Dissertation for ETD with  $\LaTeX$ ." For *NC State Library Graduate Student Workshop Series*. NC State Hunt Library, Raleigh, North Carolina, USA. Workshop.

- [7] **Kelly [now Mehlenbacher], A. R.,** & Kittle Autry, M. (12 February 2013 and 11 March 2013). "Graduate Research Symposium: Poster Preparation and Practice Session." NC State Department of English and Communication. Raleigh, North Carolina, USA.
- [6] **Kelly [now Mehlenbacher], A. R.** (October 2012). Advanced Writing for Empirical Research (ENG 626, Ann M. Penrose). NC State, Raleigh, North Carolina, USA. Guest lecture.
- [5] **Kelly [now Mehlenbacher], A. R.,** & Kittle Autry, M. (October 2012). Introduction to Scholarly Publishing (HON 398, Aaron J. Stoller & Darby Orcutt), NC State, Raleigh, North Carolina, USA. Guest lecture.
- [4] **Kelly [now Mehlenbacher], A. R.** (12 April 2012). "Introduction to L<sup>A</sup>T<sub>E</sub>X." *CRDM Professional Development Seminar Series*. NC State, Raleigh, North Carolina, USA. Workshop.
- [3] **Kelly [now Mehlenbacher], A. R.** (15 March 2012). Environmental Communication (COM 436, William J. Kinsella). NC State, Raleigh, North Carolina, USA. Guest lecture.
- [2] **Kelly [now Mehlenbacher], A. R.** (25 January 2012). "Perspectives from the Humanities & Social Sciences on Genetic Pest Management." *Colloquium on Genetic Engineering & Society*. NC State, Raleigh, North Carolina, USA. Panel talk.
- [1] **Kelly [now 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). NC State, Raleigh, North Carolina, USA. Guest lecture.

#### Professional Development in Teaching

Approved Doctoral Dissertation Supervisor, University of Waterloo, 2016

Centre for Teaching Excellence Workshops (12 completed), University of Waterloo, 2015-2016

Faculty of Arts Supervisor Workshop, Associate Dean of Arts Dr. Warley, University of Waterloo, 2015

New Faculty Mentoring Workshop, The Graduate School, Purdue University, 2014

New to Teaching at Purdue Workshop, Teaching Academy, Purdue University, 2014

Preparing the Professoriate Fellow (7 seminars and advised by Dr. Ann M. Penrose), NC State, 2012-2014

Certificate of Accomplishment in Teaching (11 seminars and classroom observation), NC State, 2012

## Service

### Service to the Discipline

#### **Leadership Roles**

Editorial Board, *Written Communication*, 2019-present

President, Association for the Rhetoric of Science, Technology, and Medicine, 2018-present

Co-General Editor, *Genre Across Borders: An international, interdisciplinary, network of researchers, theories, and resources*, 2016-present

First Vice President, Association for the Rhetoric of Science, Technology, and Medicine, 2017-2018

Second Vice President, Association for the Rhetoric of Science, Technology, and Medicine, 2016-2017

Academic Co-Chair, Citizen Science Association 2017 Conference Program Committee, 2016-2017

Program Committee, Citizen Science Association 2015 Conference (at AAAS), 2014-2015

#### **Grant Reviewer**

National Science Foundation, Faculty Early Career Development Program (CAREER)

#### **Book Reviewer**

Bloomsbury Press

IGI Global

Oxford UP

Routledge

Rowman & Littlefield Publishing

Versita Publishing

XML Press

#### **Journal Reviewer**

*Science, Technology, & Human Values*

*Technical Communication Quarterly*

*Rhetoric of Health & Medicine*

*Canadian Journal of Communication*

*TEXT & TALK* (formerly, *TEXT*)

*Telematics and Informatics*

*Citizen Science: Theory and Practice*

*Written Communication*

*Journal of Science Communication*

*IEEE Transactions on Professional Communication*

*Science Communication*

*Big Data & Society*

*Journal of Pedagogy*

*Ecology and Society*

### **Conference Reviewer**

Association of Teachers of Technical Writing annual conference

Citizen Science Association Conference 2019

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

Association for the Rhetoric of Science, Technology, and Medicine pre-conference at NCA

Association for the Rhetoric of Science, Technology, and Medicine pre-conference at RSA

Citizen Science Association conference

Central States Communication Association (Communication Theory)

### Service to the University/Faculty

Member, Co-op Advisory Committee, Faculty of Arts, 2016–present

Member, Master of Public Service Advisory Committee, Faculty of Arts, 2016–present.

Member, Survey Research Centre, 2016–present.

Member, Arts First Program Advisory Committee, Faculty of Arts, 2016–2018

Member, Arts 140 Working Group, Faculty of Arts, 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, 2017–2018

Member, Design Committee, Undergraduate Communications Outcomes Initiative, Department of Civil and Environment Engineering Communication Course, 2017

### Service to the Department

Member, Graduate Studies Committee, 2017–present

Member, Chair Nominating Committee, 2018

Co-op Development Officer, English Language and Literature, 2016–2018

Liaison, English Advisory Council, 2016–2018

Member, Department Advisory Committee on Appointments (expert probationary-term faculty membership approved by Dean of Arts), 2017

Co-Editor, English Language and Literature Newsletter, 2016–2017

### Service and Outreach to the Community

Role Model, “Mayor Dave Jaworsky and Jan Jaworsky Present: Waterloo Girls in STEAM,” 2018

Activity leader, “Exploring Materials—Thin Film,” Museum of Life and Science, Durham, 2012

Judge, Fred A Olds Elementary School Science Fair for K-2 students, Raleigh, 2012

Guest lecturer, “Rhetoric and the Rhetoric of Science,” Broughton High School International Baccalaureate Theory of Knowledge class, Raleigh, 2012

Activity leader, “Exploring Materials—Thin Film,” Museum of Life and Science NanoDays, Durham, 2011