

CURRICULUM VITAE

Andrew R. Binder

Associate Professor, Department of Communication
North Carolina State University

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HIGHER EDUCATION

- **Ph.D.**, University of Wisconsin-Madison **2010**
Major: Mass Communications; *Ph.D. Minor:* Science & Technology Studies
- **M.S.**, University of Wisconsin-Madison **2007**
Major: Life Sciences Communication
- **B.A., with Distinction**, University of Wisconsin-Madison **2001**
Major: French; *Minor:* African Studies
Summer term abroad: Cours Universitaire d'Eté de Saint-Malo (France, 1998)
Academic year abroad: Université Paul Valéry, Montpellier III (France, 1999-2000)

ACADEMIC POSITIONS

North Carolina State University

- **Associate Professor (with tenure)** **2015-pres.**
Department of Communication
- **Director of Graduate Programs** **2015-pres.**
Department of Communication
- **Associate Director/Board Member** **2010-pres.**
Project on Public Communication of Science & Technology (PCOST)
- **Assistant Professor** **2010-15**
Department of Communication

RESEARCH GRANTS

North Carolina State University

- **Co-Principal Investigator** **2016-2018**
Restoring Biotechnology's Moral Fiber? Genetically Modified American Chestnut Trees, Responsible Innovation, and Environmental Justice
National Science Foundation; Science, Technology, & Society
Grant No. 1632670 (\$291,974)
PI: Jason Delborne; Co-PI: Louie Rivers
- **Co-Principal Investigator** **2015**
A Research Network on Water Solutions (ReNeWS): the U.S. Southeast and Beyond
NC State University Research and Innovation Seed Funding Program (\$24,544)

- PI: Laura O. Taylor; Co-PIs: Sankarasubramanian Arumugam, Emily Berglund, Joann Burkholder, Ryan Emanuel, Walter Robinson, Susan N. White
- **Principal Investigator** **2014-15**
Public opinion of genetic engineering: A meta-synthesis, empirical meta-analysis, and extension
 NC State University; Genetic Engineering & Society Program (\$20,000)
 - **Co-Principal Investigator** **2012-15**
An agent-based modeling approach to integrate social dimensions and infrastructure management for urban water reuse
 National Science Foundation; Civil Infrastructure Systems
 Grant No. 1233197 (\$320,000)
 PI: Emily M. Zechman
 - **Faculty Associate** **2011-16**
IGERT—Genetic Engineering and Society: The Case of Transgenic Pests
 National Science Foundation; Division of Graduate Education
 Grant No. 1068676 (\$1,199,509.00)
 PI: Fred Gould; co-PIs: Nicholas Haddad, Nora Haenn, Alun Lloyd, William Kinsella
 - **Co-Principal Investigator** **Submitted**
Unilateral disarmament in public science (letter of intent)
 John Templeton Foundation; \$230,000 requested
 PI: Jean Goodwin; Co-PIs: Anastasia Bodnar, Jason Delborne
 - **Co-Principal Investigator** **Submitted**
Perceptions of Flooding Risk and the Benefits of Green Infrastructure within Marginalized Communities
 NC State University Research and Innovation Seed Funding Program; \$25,000 requested
 PI: Emily Berglund; Co-PIs: Louie Rivers, Laura O. Taylor
 - **Co-Principal Investigator** **Submitted**
INFEWS/T3 - An Integrated Framework to Assess the Dynamic Interrelationships among Food Waste Generators, Waste Recovery Strategies and Policies, and Food, Energy and Water Systems
 National Science Foundation; \$999,960 requested
 PI: James Levis; Co-PIs: Emily Berglund, Kathryn Boys, John Classen

University of Wisconsin-Madison

- **Co-Principal Investigator** **2008-09**
Scientific Fact Versus Partisan Opinion
 Greater Milwaukee Foundation/Journal Foundation (\$3,390)
 PI: Dominique Brossard; Co-PIs: Michael F. Dahlstrom, Tsung-Jen Shih
- **Co-Principal Investigator** **2008-09**
Communication with Wisconsin Communities about Emerging Research
 Funded through University of Wisconsin-Madison Graduate School (\$23,721)
 PI: Dietram A. Scheufele

HONORS & AWARDS
Research and Scholarship

- **Resident Fellow, Genetic Engineering & Society Program** 2014-15
North Carolina State University
- **Robert M. Entman Award for Excellence in Communication Research** 2014
North Carolina State University
- **Kavli Fellow, National Academy of Sciences** 2012
Kavli Frontiers of Science Program
- **First Place Paper Award, Society for Risk Analysis** 2009
Risk Communication Specialty Group ExxonMobil Student Paper Competition
- **Honorable Mention, Midwest Association for Public Opinion Research** 2009
MAPOR Fellows Student Paper Competition
- **Honorable Mention, National Science Foundation** 2008
Graduate Research Fellowship Program
- **Nellie McCannon Scholar** 2007-08
Department of Life Sciences Communication, University of Wisconsin-Madison

Teaching and Mentoring

- **Outstanding Graduate Faculty** 2012
Communication Graduate Student Association, North Carolina State University
- **Graduate Student Peer Mentor Award** 2009
The Graduate School, University of Wisconsin-Madison

OTHER GRANTS

- **Colleges of Science and of Humanities & Social Sciences** 2014
Interdisciplinary liaisons teaching program (North Carolina State University)
- **College of Humanities & Social Sciences** 2011
Proposal development travel award (North Carolina State University)
- **Holtz Center for Science & Technology Studies** 2009
Dissertation research award (University of Wisconsin-Madison)
- **Wisconsin Agriculture & Life Sciences Alumni Association** 2007
Conference travel award (University of Wisconsin-Madison)
- **Wisconsin Agriculture & Life Sciences Alumni Association** 2006
Conference travel award (University of Wisconsin-Madison)

PUBLICATIONS

Refereed Journal Articles

- Kosenko, K., Luurs, G., & Binder, A. R. (in press). Sexting and sexual behavior, 2011–2015: A critical review and meta-analysis of a growing literature. *Journal of Computer-Mediated Communication*. doi: 10.1111/jcc4.12187
- Kandiah, V., Binder, A. R., & Berglund, E. Z. (in press). An empirical agent-based model to simulate the adoption of water reuse using the social amplification of risk framework. *Risk Analysis*. doi:10.1111/risa.12760
- Thomas, E., Binder, A. R., McLaughlin, A., Jaykus, L., Hanson, D., Powell, D., & Chapman, B. (2016). Assessment of risk communication about undercooked hamburgers by restaurant servers. *Journal of Food Protection*, 79(12), 2113-2118. doi:10.4315/0362-028X.JFP-16-065
- Kandiah, V., Berglund, E. Z., & Binder, A. R. (2016). A cellular automata modeling framework for urban water reuse planning and management. *Journal of Water Resources*

- Planning and Management*, 142(12). doi:10.1061/(ASCE)WR.1943-5452.0000696
- Binder, A. R., Hillback, E. D., & Brossard, D. (2016). Conflict or caveats? How media portrayals of scientific uncertainty influence perceptions of new technologies. *Risk Analysis*, 36(4), 831-846. doi:10.1111/risa.12462
 - Garcia-Cuerva, L., Berglund, E. Z., & Binder, A. R. (2016). Public perceptions of water shortages, conservation behaviors, and support for water reuse in the U.S. *Resources, Conservation & Recycling*, 113, 106-115. doi:10.1016/j.resconrec.2016.06.006
 - Kosenko, K. A., Binder, A. R., & Hurley, R. J. (2016). Celebrity influence and identification: A test of the Angelina effect. *Journal of Health Communication*, 21(3), 318-326. doi:10.1080/10810730.2015.1064498
 - Redmond, V., Jameson, J. K., & Binder, A. R. (2016). How superior-subordinate relationship quality and conflict management styles influence an employee's use of upward dissent tactics. *Negotiation and Conflict Management Research*, 9(2), 158-176. doi:10.1111/ncmr.12072
 - Abril, E. P., Binder, A. R., Nan, X., Nevar, P. M., & Rojas, H. (2014). Persuasion and affect in the framing of poverty: An experiment on goal framing. *Signo y Pensamiento*, 33(65), 51-68. doi:10.11144/Javeriana.SYP33-65.pafp
 - Binder, A. R. (2012). Figuring out #Fukushima: An initial look at functions and content of U.S. Twitter commentary about nuclear risk. *Environmental Communication*, 6(2), 268-277. doi:10.1080/17524032.2012.672442
 - Cacciatore, M. A., Binder, A. R., Scheufele, D. A., & Shaw, B. R. (2012). Public attitudes toward biofuels: Effects of knowledge, political partisanship, and media use. *Politics and the Life Sciences*, 31(1-2), 43-58. doi:10.1177/0963662510390159
 - Binder, A. R., Cacciatore, M. A., Scheufele, D. A., Shaw, B. R., & Corley, E. A. (2012). Measuring risk/benefit perceptions of emerging technologies and their potential impact on communication of public opinion toward science. *Public Understanding of Science*, 21(7), 830-847. doi:10.1177/096366251039015
 - Berube, D. M., Cummings, C. L., Frith, J. H., Binder, A. R., & Oldendick, R. (2011). Comparing nanoparticle risk perceptions to other known EHS risks. *Journal of Nanoparticle Research*, 13(8), 3089-3099. doi:10.1007/s11051-011-0325-z
 - Ho, S. S., Binder, A. R., Becker, A. B., Moy, P., Scheufele, D. A., Brossard, D., et al. (2011). The role of perceptions of media bias in general and issue-specific political participation. *Mass Communication and Society*, 14(3), 343-374. doi:10.1080/15205436.2010.491933
 - Binder, A. R., Scheufele, D. A., Brossard, D., & Gunther, A. C. (2011). Interpersonal amplification of risk? Citizen discussions and their influence on perceptions of risks and benefits of a biological research facility. *Risk Analysis*, 31(2), 324-334. doi:10.1111/j.1539-6924.2010.01516.x
 - Binder, A. R. (2010). Routes to attention or shortcuts to apathy? Exploring domain-specific communication pathways and their implications for public perceptions of controversial science. *Science Communication*, 32(3), 383-411. doi:10.1177/1075547009345471
 - Binder, A. R., Dalrymple, K. E., Brossard, D., & Scheufele, D. A. (2009). The soul of a polarized democracy: Testing theoretical linkages between talk and attitude extremity during the 2004 presidential election. *Communication Research*, 36(3), 315-340. doi:10.1177/0093650209333023

Refereed Book Chapters

- Binder, A. R., Cacciatore, M. A., Scheufele, D. A., & Brossard, D. (2015). The role of news media in the social amplification of risk. In H. Cho, T. Reimer, & K. A. McComas (Eds.), *The*

- *SAGE handbook of risk communication* (pp. 69-85). Thousand Oaks, CA: Sage.
- Binder, A. R. (2013). "Wrong, but it worked": How lay citizens assess the ethics of communicating about risk in the context of local scientific/technological controversy. In J. Goodwin, M. F. Dahlstrom & S. Priest (Eds.), *Ethical issues in science communication: A Theory-based approach* (pp. 7-20). Charleston, SC: CreateSpace.
- Binder, A. R., Scheufele, D. A., & Brossard, D. (2013). Contentious communities: Examining antecedents to opinion perception and expression during site-selection for a bioresearch facility. In P. Moy (Ed.), *Communication and community* (pp. 233-252). New York: Hampton Press.
- Binder, A. R. (2013). Understanding public opinion of nanotechnology. In A. Nasir, A. Friedman, & S. Wang (Eds.), *Nanotechnology in dermatology* (pp. 269-278). New York: Springer.

Article Manuscripts Under Review

- Yeo, S. K., Binder, A. R., Dahlstrom, M. F., & Brossard, D. "Message attributes and perceived bias in a visual message about global warming." *Science Communication*.

Article Manuscripts in Preparation

- Binder, A. R. & Berglund, E. Z. "The malleability of citizen priorities: Media effects, salience, and the 'most important environmental problem' question." In preparation for *Public Opinion Quarterly*.
- Binder, A. R., & Berglund, E. Z. "Linking domain-specific news to citizens' perceptions of novel issues: An example from risk communication." In preparation for *Mass Communication & Society*.
- Binder, A. R., & Cacciatore, M. A. "Errors of judgment? The effects of survey construction on public opinion of nanotechnology and what they mean for scientists and policymakers." In preparation for the *Journal of Nanoparticle Research*.
- Binder, A. R., Cobb, M. D., Johnson-Young, E. A., & Hartzog, M. S. "Communication, attribution, and emerging science: How descriptive labels activate cognitive schemas to influence citizen attitudes." In preparation for *Science Communication*.

Non-Refereed Publications

- Binder, A. R., Brossard, D., & Scheufele, D. A. (2012, April 10). "Misguided science policy? The pitfalls of using public meetings as surrogate gauges of public opinion." *The Scientist*. <http://the-scientist.com/2012/04/10/opinion-misguided-science-policy/>

CONFERENCE PAPERS & PRESENTATIONS

Refereed

- Kosenko, K. A., Luurs, G., & Binder, A. R. (2016, November). *Sexting and sexual behavior, 2011-2015: A critical review and meta-analysis of a growing literature*. Paper presented at the annual meeting of the National Communication Association, Philadelphia, PA.
- Yeo, S. K., Binder, A. R., Dahlstrom, M. F., & Brossard, D. (2016, April). *Credibility and climate change: Perceived credibility of policy and science experts in visual media*. Paper presented at the 14th Public Communication of Science and Technology (PCST) Conference, Istanbul, Turkey.
- Redmond, V., Jameson, J. K., & Binder, A. R. (2015, June). *Conflict management styles, upward dissent tactics, and the quality of leader-member relationships*. Paper presented at

the annual meeting of the International Association for Conflict Management, Clearwater Beach, FL.

- Garcia-Cuerva, L., Schmidt, M., Berglund, E. Z., & Binder, A. R. (2015, May). *Results of a national survey about the public acceptability of water reuse*. Paper presented at the World Environmental & Water Resources Congress, Austin, TX.
- Kosenko, K. A., Hurley, R. J., & Binder, A. R. (2015, May). *Celebrity influence and identification: A test of the Angelina effect*. Paper presented at the annual meeting of the International Communication Association (Health Communication Division), San Juan, Puerto Rico.
- Binder, A. R., & Berglund, E. Z. (2014, December). *Citizen priorities for environmental hazards: Understanding rankings and exploring their origins in risk perception*. Paper presented at the annual meeting of the Society for Risk Analysis, Denver, CO.
- Kandiah, V., Berglund, E. Z., & Binder, A. R. (2014, June). *An empirical acceptance-resistance agent-based modeling approach for simulating the adoption of water reuse*. Paper presented at the World Environmental & Water Resources Congress (Planning and Management track), Portland, OR.
- Schmidt, M., Berglund, E. Z., & Binder, A. R. (2014, June). *Tradeoffs in public acceptance and water savings in using reclaimed water for irrigation applications*. Paper presented at the World Environmental & Water Resources Congress (Water Distribution Systems Analysis Symposium), Portland, OR.
- Binder, A. R., & Berglund, E. Z. (2014, May). *Linking domain-specific news to citizens' perceptions of novel issues: An example from risk communication*. Paper presented to the annual meeting of the International Communication Association (Mass Communication Division), Seattle, WA.
- Binder, A. R., & Zechman, E. M. (2013, December). *Recycled water and risk communication: How citizens evaluate new technologies for municipal water systems*. Paper presented at the annual meeting of the Society for Risk Analysis, Baltimore, MD.
- Binder, A. R., Johnson-Young, E. A., Stormont, M. H., & Cobb, M. D. (2013, November). *Framing the mosquito that bites you: How descriptive labels elicit cognitive schema and influence citizen evaluations of emerging technologies*. Paper presented at the annual meeting of the National Communication Association (Mass Communication Division), Washington, DC.
- Binder, A. R. (2013, June). *"Wrong, but it worked": How lay citizens assess the ethics of communicating about risk in the context of local scientific/technological controversy*. Paper presented at the third annual Iowa State University Summer Symposium on Science Communication, Ames, IA.
- Stormont, M. H., Binder, A. R., & Cobb, M. D. (2013, June). *Transmedia communication on transgenic mosquitos: Controversial science in a network of digital media*. Paper presented at the annual meeting of the International Environmental Communication Association, Uppsala, Sweden.
- Kandiah, V., Zechman, E. M., & Binder, A. R. (2013, May). *An agent-based modeling approach to simulate the influence of consumer behavior on infrastructure performance for urban water reclamation management*. Paper presented at the World Environmental & Water Resources Congress, Cincinnati, OH.
- Binder, A. R., & Cacciato, M. A. (2012, December). *Errors of judgment: The effects of survey construction on public opinion of nanotechnology and what they mean for scientists and policymakers*. Paper presented at the annual meeting of the Society for Risk Analysis, San Francisco, CA.

- Binder, A. R., Scheufele, D. A., & Brossard, D. (2011, December). *Risk publics: Understanding the unifying ties of personal beliefs vs. community of residence in the site-selection for a biological research facility*. Paper presented at the annual meeting of the Society for Risk Analysis, Charleston, SC.
- Binder, A. R., Dahlstrom, M. F., & Brossard, D. (2011, August). *Eye to (un)biased eye? Effects of visual and source attributes on the perceived credibility of identical information*. Paper presented at the annual meeting of the Association for Education in Journalism and Mass Communication (Communication Theory & Methodology Division), St. Louis, MO.
- Binder, A. R., Scheufele, D. A., & Brossard, D. (2011, August). *Not in my backyard... or yours: Communicative influences of opinion leadership on perceptions of risks and benefits of a bioresearch facility*. Paper presented at the annual meeting of the Association for Education in Journalism and Mass Communication (Communicating Science, Health, the Environment, and Risk Division), St. Louis, MO.
- Binder, A. R. (2011, April). *Figuring out #Fukushima: Interpretive vs. Informative functions of twitter commentary about nuclear technology in the United States*. Paper presented at the research symposium on Environments, Risks, and Digital Media, Raleigh, NC.
- Binder, A. R., Scheufele, D. A., Brossard, D., & Gunther, A. C. (2010, May). *Bio-terror in our backyard? Conflict, news, and citizens' knowledge and perceptual gaps about a bio-research facility*. Paper presented at the annual meeting of the International Communication Association (Political Communication Division), Boston, MA.
- Binder, A. R., Liang, X., Brossard, D., Scheufele, D. A., & Gunther, A. C. (2010, December). *Reconsidering risk amplification: Content analysis of thematic emphasis in newspaper coverage of a proposed biological research facility*. Paper presented at the annual meeting of the Society for Risk Analysis, Salt Lake City, UT.
- Cacciatore, M. A., Brigham Schmuhi, N., Binder, A. R., Scheufele, D. A., & Shaw, B. (2010, December). *Off the top of your head: Exploring the influence of mental associations on risk and benefit perceptions of biofuels*. Paper presented at the annual meeting of the Society for Risk Analysis, Salt Lake City, UT.
- Cacciatore, M. A., Brigham Schmuhi, N., Binder, A. R., Scheufele, D. A., & Shaw, B. (2010, December). *Assessing public opinion of alternative energies: The role of cognitive associations in support for biofuels*. Paper presented at the annual meeting of the Society for Risk Analysis, Salt Lake City, UT.
- Binder, A. R. (2010, August). *Explicating media use 2.0: A theoretical and empirical examination of a key communication concept*. Paper presented at the annual meeting of the Association for Education in Journalism and Mass Communication (Communication Theory & Methodology Division), Denver, CO.
- Binder, A. R., Cacciatore, M. A., Scheufele, D. A., Shaw, B. R., & Corley, E. A. (2010, August). *Measuring perceptions of emerging technologies: Errors in survey self-reports and their potential impact on communication of public opinion toward science*. Paper presented at the annual meeting of the Association for Education in Journalism and Mass Communication (Communicating Science, Health, Environment, and Risk Interest Group), Denver, CO.
- Cacciatore, M. A., Binder, A. R., Scheufele, D. A., & Shaw, B. (2010, August). *Biofuels and public benefit and risk perceptions: The interacting effects of political ideology and media attention*. Paper presented at the annual meeting of the Association for Education in Journalism and Mass Communication (Mass Communication and Society Division), Denver, CO.
- Binder, A. R., Cacciatore, M. A., Brigham Schmuhi, N., Shaw, B. R., & Scheufele, D. A.

(2010, May). *Effects of domain-specific priming and extremity of response on individual support for alternative energy: Evidence from a survey-based experiment*. Paper presented at the annual meeting of the American Association for Public Opinion Research, Chicago, IL.

- Brigham Schmuhl, N., Cacciatore, M. A., Binder, A. R., Shaw, B. R., & Scheufele, D. A. (2010, May). *Technological innovation in America's backyard: The intersection of media use, political partisanship, and public opinion of biofuels*. Paper presented at the annual meeting of the American Association for Public Opinion Research, Chicago, IL.
 - *Binder, A. R., Scheufele, D. A., Brossard, D., & Gunther, A. C. (2009, December). *Interpersonal amplification of risk? The influence of discussion on perceptions of risks and benefits of a biological research facility*. Paper presented at the annual meeting of the Society for Risk Analysis, Baltimore, MD.
- *First Place Student Paper, Risk Communication Specialty Group ExxonMobil Student Paper Competition**
- Binder, A. R., Scheufele, D. A., Brossard, D., & Gunther, A. C. (2009, December). *How local is risk? Exploring macro-level context and individual-level factors in risk communication across five potential sites for a biological research facility*. Paper presented at the annual meeting of the Society for Risk Analysis, Baltimore, MD.
 - *Binder, A. R. (2009, November). *One nation, divided or united? A cross-sectional and longitudinal comparison of the antecedents to civic engagement and political participation, 2000-2004*. Paper presented at the annual meeting of the Midwest Association for Public Opinion Research, Chicago, IL.
- *Top Three Student Paper, MAPOR Fellows Student Paper Competition**
- Binder, A. R., Dahlstrom, M. R., Shih, T., & Brossard, D. (2009, November). *An inconvenient source? Attributes of science documentaries and their effects on information-related behavioral intentions*. Paper presented at the annual meeting of the Midwest Association for Public Opinion Research, Chicago, IL.
 - Binder, A. R., Scheufele, D. A., Brossard, D., Gunther, A. C., & Dalrymple, K. E. (2009, November). *Risk and social context: Comparing public opinion and media coverage of a bio-research facility across five candidate sites*. Paper presented at the annual meeting of the Midwest Association for Public Opinion Research, Chicago, IL.
 - Shaw, B. R., Ryan, E. L., Namkoong, K., Akin, H. E., & Binder, A. R. (2009, November). *Pathway or impediment to progress? Effects of news frames on individual attitudes toward biofuels and their potential benefits for global warming*. Paper presented at the annual meeting of the Midwest Association for Public Opinion Research, Chicago, IL.
 - Binder, A. R. (2009, August). *Differentiating measures of news media use along dimensions of attention and exposure, medium, and content domains*. Paper presented at the annual meeting of the Association for Education in Journalism & Mass Communication (Communication Theory & Methodology Division), Boston, MA.
 - Binder, A. R., & Scheufele, D. A. (2009, May). *Telling me something I already know? Testing intensification effects of news media use on attitudes and vote choice*. Paper presented at the annual meeting of the International Communication Association (Political Communication Division), Chicago, IL.
 - Binder, A. R. (2008, December). *Risk amplification and attenuation through news media: Re-evaluating the role of mediated reality in the social amplification of risk framework*. Paper presented at the annual meeting of the Society for Risk Analysis, Boston, MA.
 - Binder, A. R., & Dalrymple K. E. (2008, November). *Science, democracy, and influence: Public evaluations of the roles of scientists and elected officials in science policy-making*.

Paper presented at the annual meeting of the Midwest Association for Public Opinion Research, Chicago, IL.

- Dalrymple, K. E., & Binder, A. R. (2008, November). *Does online campaigning pay off? An examination of changes in knowledge gaps during the 2004 presidential election campaign*. Paper presented at the annual meeting of the Midwest Association for Public Opinion Research, Chicago, IL.
- Binder, A. R. (2008, August). *Pathways to alarm or shortcuts to apathy? Examining communication effects on concern about global warming*. Paper presented at the annual meeting of the Association for Education in Journalism & Mass Communication (Communication Theory & Methodology Division), Chicago, IL.
- Ho, S. S., Becker, A. B., Binder, A. R., Scheufele, D. A., Brossard, D., & Gunther, A. C. (2008, May). *Do perceptions of media bias undermine citizenship? An examination across elections and issues*. Paper presented at the annual meeting of the International Communication Association (Political Communication Division), Montréal, Canada.
- Binder, A. R. (November, 2007). *With Roe v. Wade at stake: Value predispositions, policy stance, and public opinion of Supreme Court appointments*. Paper presented at the annual meeting of the Midwest Association for Public Opinion Research, Chicago, IL.
- Hillback, E. D., Binder, A. R., & Brossard, D. (2007, November). *Conflict or caveats? Effects of media portrayals of scientific uncertainty on perceptions of new technologies*. Paper presented at the annual meeting of the Midwest Association for Public Opinion Research, Chicago, IL.
- Binder, A. R. & Puig-i-Abril, E. (2007, August). *Thwarted by frames: Attributions of poverty and support for public policy*. Paper presented at the annual meeting of the Association for Education in Journalism & Mass Communication (Communication Theory & Methodology Division), Washington, DC.
- Binder, A. R., Dalrymple, K. E., Brossard, D., Scheufele, D. A., & Kim, E. (2007, May). *The soul of a polarized democracy: Talk, media, and attitude extremity during the 2004 presidential election*. Paper presented at the annual meeting of the International Communication Association (Political Communication Division), San Francisco, CA.
- Nan, X., Puig-i-Abril, E., Binder, A. R., & Rojas, H. (2007, May). *Issue responsiveness and negative affect in the framing of poverty: An experiment of gains versus losses*. Paper presented at the annual meeting of the International Communication Association (Political Communication Division), San Francisco, CA.
- Binder, A. R. *Campaigning on controversy: Stem cell research and voting in the 2004 presidential election*. (2007, May). Paper presented at the annual meeting of the American Association for Public Opinion Research, Anaheim, CA.
- Nan, X., Puig-i-Abril, E., Binder, A. R., Nevar, P. M., Mizlaff, J. L., & Hitchon, J. (2006, November). *The framing of poverty: An experiment on gains, losses, and issue responsiveness*. Paper presented to the annual meeting of the Midwest Association for Public Opinion Research, Chicago, IL.

INVITED PRESENTATIONS

Off-Campus

- "Risk Communication: An Introduction," Exposure Science in the 21st Century: Roles of Citizens and Communities, Environmental Health Collaborative, Research Triangle Park (2014).

- “Tweeting Fukushima: Social Media’s Response to Disaster,” *The Past in the Present: East Asia and Our Contemporary World*, University of North Carolina at Chapel Hill (2014).
- “From Public Engagement to Engagement of Publics: Rethinking Models of Citizen Participation in Science Policy Decisions,” *Kavli Frontiers of Science*, the National Academy of Sciences and the Kavli Foundation (2012).
- Panelist on discussion of “Asking the Right Questions: Framing Quantitative Social Science,” *Human Domain Analysis Workshop*, U.S. Army Special Operations Command (2012).

On-Campus

- “Down the Rabbit Hole of Genetic Engineering: New Insights for Risk Communication?,” Department of Communication Research Colloquium on Communication Perspectives on Facebook and Twitter, North Carolina State University (2017)
- “De-Jargonizing Your Research,” Building Future Faculty Program, North Carolina State University (2016).
- “An Introduction to Science Communication and Why It Matters,” College of Veterinary Medicine Lunch and Learn Workshop, North Carolina State University (2016).
- “Public Opinion of Genetic Engineering Technologies: What We Know and Where We Need to Go,” Colloquium on Genetic Engineering and Society, North Carolina State University (2015).
- “Public Perceptions of Genetic Engineering Technologies: An Ongoing Project,” Science & Technology Studies Brown Bag, North Carolina State University (2015).
- Panelist on discussion of “A Coastal Conversation: North Carolina’s Rising Sea Level Problem,” Southeast Climate Science Center, North Carolina State University (2014).
- “Pursuing and Obtaining Research Grants: Insights from the Field,” Ph.D. program in Communication, Rhetoric, & Digital Media, North Carolina State University (2014).
- “Culture, Risk, and the Promise of Communication Research,” Energy and Security Initiative, Triangle Institute for Security Studies and North Carolina State University (2013).
- “Science & Society: A Communication Perspective,” Thomas Jefferson Scholars, North Carolina State University (2013).
- “Communicating About Water: Past and Future Challenges in Public Opinion of Water Resources,” Annual Meeting of the University Global Partnership Network, North Carolina State University (2013).
- “Twitter from a Mass Communication Perspective: The Case of Risk and Fukushima,” Department of Communication Research Colloquium on Communication Perspectives on Facebook and Twitter, North Carolina State University (2012)
- “Whose Public Opinion? A Primer on the Social Science of Political Communication,” Global Training Initiative and SKEMA, North Carolina State University (2012).
- “Perspectives from the Humanities and Social Sciences on Genetic Pest Management” (with Michael D. Cobb and Ashley R. Kelly), Colloquium on IGERT: Genetic Engineering and Society, the Case of Transgenic Pests, North Carolina State University (2012).
- “Multidisciplinary Approaches to the Study of Digital Media: Method and Practice” (with David Rieder and Adriana de Souza e Silva), Communication, Rhetoric, and Digital Media Research Colloquium, North Carolina State University (2011).
- “Public Communication of Science & Technology and Empirical Social Science” (with David M. Berube), Communication, Rhetoric, and Digital Media Research Colloquium, North Carolina State University (2010).

- “Innovation in Our Own Backyard: Investigating Public Opinion Formation About Biofuels in Wisconsin” (with Nicholas Brigham Schmuhl), Colloquium in Life Sciences Communication, University of Wisconsin-Madison (2010).

TEACHING & ADVISING

Courses at North Carolina State University

- COM 240. Communication Inquiry (Undergraduate).
- COM 386 (formerly COM 486). Communication Research Methods (Undergraduate).
- COM 498. Media & Politics (Undergraduate).
- COM 541. Quantitative Methods in Applied Communication (Graduate).
- COM 561. Human Communication Theory (Graduate).
- COM 598. Introduction to Science Communication: Theory and Practice (Graduate).
- COM 598. Seminar in Mass Media and Public Opinion (Graduate).

Courses at University of Wisconsin-Madison

- LSC 100. Introduction to Communication: Inquiry and Exposition (Undergraduate).
- LSC 375/875. Communicating Controversial Science (Undergraduate/Graduate). Course assistant to Dominique Brossard.

Guest Lectures

- “What do we learn when we ask how the public perceives emerging technologies?” GES 508 Emerging Technologies and Society (2015).
- “Exploring the Ethics of Communicating Science,” VMC 962 Animal Welfare, Ethics and Societal Responsibility, North Carolina State University (2013, 2014, 2015).
- “Communication, Narrative, and Statistics: An Introduction,” ST 512 Experimental Statistics for Biological Sciences II, North Carolina State University (2014).
- “The Origins and Consequences of Public Opinion of Science & Technology,” GES 592 New Technologies in Social and Cultural Contexts, North Carolina State University (2013).
- “Risk Perception and Decision-Making Under Uncertainty,” GES 591 Pest Issues in Developing Countries: Biology, Culture, and Infrastructure, North Carolina State University (2012-13).
- “Public Opinion Research: An Introduction for Civil Engineers,” CE 791 Advanced Topics in Civil Engineering Computing: Complex Adaptive Systems Analysis, North Carolina State University (2012).

Ph.D. Committees, Degree Awarded

- Timothy Antonelli (committee member), Ph.D. in Biomathematics with minor in Genetic Engineering and Society (2015), North Carolina State University
- Christopher L. Cummings (committee member), Ph.D. in Communication, Rhetoric, and Digital Media (2013), North Carolina State University
- Elizabeth A. Johnson-Young (committee chair), Ph.D. in Communication, Rhetoric, and Digital Media (2015), North Carolina State University
- Venu Kandiah (committee member), Ph.D. in Civil Engineering (2015), North Carolina State University
- David Shiffman (committee member), Ph.D. in Environmental Science and Policy (2016), University of Miami

- Ellen M. Thomas (committee member), Ph.D. in Food Science (2015), North Carolina State University
- Dwiyatna Widinugraha (committee member), Ph.D. in Communication, Rhetoric, and Digital Media (2016), North Carolina State University

Ph.D. Committees, Degree in Progress

- Hannah Bolinger (committee member), Ph.D. in Food Science, North Carolina State University
- Caroline Leitschuh (committee member), Ph.D. in Zoology with minor in Genetic Engineering and Society, North Carolina State University
- Matt Morain (committee chair), Ph.D. in Communication, Rhetoric, and Digital Media, North Carolina State University
- Samara Mouvery (committee member), Ph.D. in Communication, Rhetoric, and Digital Media, North Carolina State University

M.S. Committees, Degree Awarded

- Elizabeth Adams (committee member), M.S. in Communication (2016), North Carolina State University
- Nicole Arnold (committee member), M.S. in Food Science with minor in Agricultural & Extension Education (2016), North Carolina State University
- Santiago Nicolas Cañete Benitez (committee chair), M.S. in Communication (2014), North Carolina State University
- Vladimir Gritsenko (committee member), M.S. in Communication (2015), North Carolina State University
- Grant Harned (committee chair), M.S. in Communication (2016), North Carolina State University
- Susan Knowles (committee chair), M.S. in Communication (2012), North Carolina State University
- Yue Li (committee member), M.S. in Communication (2016), North Carolina State University
- Kyle Lowers (committee member), M.S. in Communication (2015), North Carolina State University
- Brandon Osgood (committee member), M.S. in Communication (2016), North Carolina State University
- Katie Overbey (committee member), M.S. in Food Science (2016), North Carolina State University
- Benjamin Raymond (committee member), M.S. in Food Science (2014), North Carolina State University
- Heewon Shin (committee member), M.S. in Communication (2015), North Carolina State University
- Ginny Tyson (committee member), M.S. in Communication (2013), North Carolina State University

M.S. Committees, Degree in Progress

- Ekaterina Bogomoletc (committee chair), M.S. in Communication (expected 2017), North Carolina State University
- Carolin Lehmann (committee chair), M.S. in Communication (expected 2017), North Carolina State University

SERVICE & OUTREACH

Volunteer Conference Activities

- Chair for paper session on *Public Response to Natural and Technological Disasters*, annual meeting of the Society for Risk Analysis, Baltimore, MD, December 2013.
- Chair for paper session on *Rhetorical, Political, and Technological Risk Environments*, research symposium on Environments, Risks, and Digital Media, Raleigh, NC, April 2011.
- Chair for paper session *Information Behaviors*, annual meeting of the Society for Risk Analysis, Baltimore, MD, December 2009.
- Moderator for paper session on *Trust and Politics*, annual meeting of the Midwest Association for Public Opinion Research, Chicago, IL, November 2009.
- Chair for paper session *Risk Amplification*, annual meeting of the Society for Risk Analysis, Boston, MA, December 2008.
- Moderator for paper session *New Media and Public Opinion*, annual meeting of the Midwest Association for Public Opinion Research, Chicago, IL, November 2008.
- Member, Graduate Student Committee, annual meeting of the Midwest Association for Public Opinion Research, Chicago, IL, November 2007.
- Moderator for paper session *Political Communication – Elections I*, annual meeting of the Midwest Association for Public Opinion Research, Chicago, IL, November 2007.
- Chair for paper session on *Information-Seeking, Knowledge Gain, and Media Influence*, annual meeting of the International Communication Association, San Francisco, CA, May, 2007.
- Chair for paper session on *2006 Pre-Election Polls I*, annual meeting of the American Association for Public Opinion Research, Anaheim, CA, May, 2007.
- Moderator for paper session on *Third Person Effects*, annual meeting of the Midwest Association for Public Opinion Research, Chicago, IL, November 2006.

Editorial Boards and Journal Reviews

- Member, Associate Editorial Board, *Communication Studies* (2013-2015)
- Member, Editorial Board, *Environmental Communication* (2016-present)
- Ad hoc manuscript reviewer for *African Journal of Biotechnology*, *Communication Monographs*, *Communication Research*, *Educational Research and Reviews*, *Energy Policy*, *GM Crops and Food*, the *International Journal of Public Opinion Research*, *Journal of Communication*, *Journal of Nanoparticle Research*, *Journal of Risk Research*, *Mass Communication and Society*, *Politics and the Life Sciences*, *Public Understanding of Science*, *Risk Analysis: An Interdisciplinary Journal*, *Scandinavian Political Studies*, *Science & Education*, and *Science Communication* (2010-present)
- Manuscript referee for AEJMC's *Communicating Science, Health, Environment, and Risk Division* and *Communication Theory & Methodology Division* (2010-2012); ICA's *Political Communication Division* (2010-2013, 2015) and *Mass Communication Division* (2010-present)

Media Appearances and Interviews

- WRAL-TV (CBS affiliate for Raleigh, Durham, and Fayetteville), "Exploring Climate Change" (May 7, 2015)
- Carolina News 14 (Time-Warner cable news for North Carolina), "EA Sports will continue developing college football games with NCAA" (July 18, 2013)

<http://charlotte.news14.com/content/news/696610/ea-sports-will-continue-developing-college-football-games-with-ncaa>

- WNCN-TV (NBC affiliate for Raleigh-Durham), “NCAAP plans new protests, arrests at NC Legislature” (May 7, 2013). <http://abclocal.go.com/wtvd/video?id=9092302>
- WRAL-TV (CBS affiliate for Raleigh, Durham, and Fayetteville), “Romney camp backs off NC” (October 19, 2012) <http://www.wral.com/news/local/politics/video/11680583/#/vid11680583> (video), <http://www.wral.com/romney-campaign-shifting-nc-resources-elsewhere/11675652/> (text)
- *The Atlantic*, “From Sushi to Tunisia: A Guide to Swaying Majority Opinion” (September 9, 2011). <http://www.theatlantic.com/health/archive/2011/09/from-sushi-to-tunisia-a-guide-to-swaying-majority-opinion/244589/>
- North Carolina Public Radio, “The State of Things” (February 16, 2011) http://wunc.org/tsot/archive/Public_Understanding_of_Science.mp3/view
- *Miller-McCune*, “To Reach Consensus, Let’s Talk Less” (November 11, 2010) <http://www.miller-mccune.com/politics/to-reach-consensus-lets-talk-less-25256/>

University Service

North Carolina State University

- Faculty Advisor, Science Communication Graduate Student Organization (2015-present)
- Chair, Graduate Committee for Department of Communication (2015-present)
- Member, Executive Committee for Department of Communication (2014-present)
- Member, Executive Committee for IGERT—Genetic Engineering and Society: The case of transgenic pests (2013-present)
- Co-Founder and Faculty Supervisor, *Pints of Science* community outreach program (2012-present)
- Program Faculty Member, Interdisciplinary Program in Science, Technology, & Society (2011-present)
- Member of the Graduate Faculty Member, The Graduate School (Associate status: 2010-2015; Full status: 2015-present)
- Program Faculty Member, Doctoral Program in Communication, Rhetoric, and Digital Media (CRDM), Departments of Communication and English (2010-present)
- Member, Search Committee, Public Relations Hire in Department of Communication (2014-15)
- Discussion leader for College of Humanities & Social Sciences, Freshman Common Reading program (2012, 2013)
- Member, Search Committee, Cluster Hire in Policy Science and Development Economics as part of the Chancellor’s Faculty Excellence Program (2012-13)
- Judge, Social Science Section, Graduate Research Symposium (2012-13)
- Judge, Wolfpack Speaks Public Speaking Competition (2013, 2014)
- Department representative, Undergraduate Research Speed Dating, Office of Undergraduate Research (2012)
- Member, Search Committee, Joint position in Department of Communication and North Carolina Museum of Natural Sciences (2011-12)
- Member, Strategic Planning Committee, Department of Communication (2011-12)
- Member, Bylaws Committee, Department of Communication (2010-11)
- Member, Grants Committee, Department of Communication (2010-11)

Professional Association Membership

- International Communication Association (ICA)
- National Communication Association (NCA)
- Society for Risk Analysis (SRA)

PROFESSIONAL SKILLS AND TRAINING

Languages

- English – native speaker
- French – fluent spoken and written
- Italian – fair speaking and reading ability
- Arabic, German, and Russian – basic reading ability and grammatical knowledge

Information Technology

- Statistical analysis: SPSS, LISREL, Mplus, R, HLM
- Media design & production: Microsoft Office; Adobe Creative Suite; Final Cut Pro; Audacity
- Web design: Adobe Dreamweaver & Fireworks; HTML, CSS, and PHP
- Database programming: MySQL and FileMaker Pro 10
- Extensive knowledge of both Windows and Macintosh operating systems

RELATED PROFESSIONAL EXPERIENCE

Wisconsin Public Radio

- **Announcer & Board Operator** **2005-07**
Talk of the Nation and weekend morning programming (Madison, WI)
- **On-Air Producer, Substitute Technical Director** **2006-07**
Various weekday programs (Madison, WI)

WSUM Student Radio, UW-Madison

- **Volunteer On-Air Host and Disc Jockey** **2006**
Moonshine & Mayhem: Your Weekly Dose of Alt-Country (Madison, WI)
- **Volunteer Journalist and On-Air Newscaster** **2005-06**
Evening newscast (Madison, WI)

United States Peace Corps

- **Volunteer English Language Teacher & Health Educator** **2003-05**
Lycée Classique de Ndélélé (Ndélélé, Cameroon)
- **Head Teacher Trainer & Model School Coordinator** **2004**
Peace Corps Training, Lycée Classique de Mbalmayo (Mbalmayo, Cameroon)

French Ministry of Education

- **English Language Teaching Assistant** **2001-02**
Lycée Technique du Rempart (Marseille, France)