



David M. Berube, Ph.D.
Professor, Science Communication
Campus Box 7565
North Carolina State University
Raleigh, NC 27606-7565
919.515.0410 (O); 919.515.9456 (Fax)
919.740.9647 (M); drdmberube@gmail.com

EDUCATIONAL BACKGROUND

New York University -- Ph.D. (GSAS) -- 1990

Concentration: Communication, Media and Culture

Montclair State College -- M.A. (Speech & Theatre) -- 1978

Concentration: Speech - Speech

Seton Hall University -- B.A. (Experimental and Cognitive Psychology/Biology) -- 1975

ADMINISTRATION

Research Triangle Nanotechnology Network, Research Triangle, NC – 2016 to present serving as SEIN (Societal and Ethical Implications of Nanotechnology) director and assessment director for a network of eight characterization, fabrication, and experimental lab on the campuses of Duke U., UNC –Chapel Hill, and NCSU pursuant to a grant from the NSF Grant No. ECCS-1542015 as part of the National Nanotechnology Coordinating Infrastructure.

Public Communication of Science and Technology, Raleigh, NC – 2008 to present, serving as Director responsible for the mission and objectives, grant development, preparation and submission, auditing sub-awards and overseeing all related subaward activities, budget analysis and accounting, and supervising one administrative assistant, and up to six graduate students a year.

International Council on Nanotechnology, Houston, TX – 2006 to 2007, serving as Director of Communication responsible for the design and appearance in all communication media, digital and print, in its interface to stakeholders in academia, business, government, and public interest (non-governmental organization).

University of South Carolina, Columbia, SC – In 2004-2005, served as Associate and Research Director and Coordinator of Industrial and Government Relations, Nanoscience and Technology Studies, USC NanoCenter for a \$3 million NSF grant supported NanoScience and Technology Program, USC NanoCenter.

BUDGET RELATED

Public Communication of Science and Technology, Raleigh, NC – 2008 to present, serving as Director responsible for budget analysis and accounting for grant expenditures at NCSU and associated with subawards for a \$1.5 million NSF-NIRT and other grants as CoPI as well as budget preparation for submitted grants.

University of South Carolina, Columbia, SC – In 2004-2005, served as Associate and Research Director for a \$3 million NSF grant supported NanoScience and Technology Program, USC NanoCenter.

University of South Carolina, Columbia, SC – From 2001-2004, served and chaired the University Budget Committee and served on the Value-Centered Management Advisory Committee.

HUMAN RELATIONS RELATED

Public Communication of Science and Technology, Raleigh, NC – 2008 to present, serving as Director responsible for supervising one administrative assistant, two faculty, and up to six graduate students a year.

University of South Carolina, Columbia, SC – In 2004-2005, served as Associate Research Director, and Coordinator for industrial and government relations for \$3.5 million NSF grant supported NanoScience and Technology Program, USC NanoCenter.

University of Vermont, Burlington, Vermont -- From 1988 to 2004 serving as Co-director of the World Debate Institute, a four-week summer program for high school and collegiate policy debaters.

Weber State College, Ogden, Utah -- From 1984 to 1986, served as Director of the Center for Policy Studies (undergraduate think tank and publishing organization). In 1986 served as co-director of the National Debate Institute - West, a five-week summer program for individual events participants and high school Lincoln-Douglas and policy debaters.

Seton Hall University, South Orange, New Jersey -- From 1979 to 1981, served as Director of the Public Policy Research Institute (undergraduate think tank and publishing organization).

SELECTED DEBATE AND FORENSICS RELATED

University of South Carolina, Columbia, South Carolina -- From 1990 to 2005, served as Director of debate and debating educator with an intercollegiate debate program; hosted annual college round robin, college debate tournament, and high school debating and individual events tournament, and organized development to assure stable financial support for the program; program ranked among spring only debate programs 4th in 1992, 2nd in 1993, and 1st in 1995. Ranked nationally 10th in 1996, 3rd in the SERegion and 47th in 1997, top 20 (CEDA) in 1998, top 25 in varsity teams (NDT), top 20 (NDT) and top 25 (CEDA) in 1999, winning 26 tournaments including 9 regional sweepstakes and team debate championships from 1991-2000; Top 20 Parliamentary Debate 2002 to present; First place NPTE National Championships in 2004 and 2005, winning over 70 parliamentary awards in this period, including multiple national awards; National Policy Debate Coach of the Year - 1994.

TEACHING EXPERIENCE (COMPLETE EXCLUDING ADJUNCT)

North Carolina State University, Raleigh, North Carolina -- From 2008 to present, teaching courses in an undergraduate, graduate, and doctoral program as a full professor. Courses include climate change communication, risk communication, disaster communication, communication and social change, issues in communication, rhetoric, and digital media, social media scholia, and communication and race. Graduate Professor of the Year 2016 (departmental) and Research Professor of the Year 2013 (departmental).

University of South Carolina, Columbia, South Carolina -- From 1990 to 2007, taught courses in an undergraduate and a graduate (MA) program. Courses included communication and cultural studies, esp. film and media studies: public communication, professional and business speaking, debate and argumentation, advanced debate and argumentation, debating environmental issues, American public address - Colonial to 1900 and American public address - 1900 to present, contemporary campaign rhetoric, rhetorical and performance theory, persuasive communication, legal communication, risk communication, movement studies, modern rhetorical theory, rhetoric of science and technology, rhetoric of popular culture, rhetoric of Star Trek, heroes and monster, arguments in cultural studies, introduction to film studies, American science fiction film, film and cultural studies as Associate Professor; 7 time AMOCO Teaching Award Finalist, 2 time finalist Golden Key Creative Teaching Award, 3 time recipient of Mortar Board Award for Teaching Excellence.

University of Vermont, Burlington, Vermont -- From 1987 to 1990, taught effective speaking (critical skills) and oral interpretation of literature as an instructor; Kroepsch-Maurice Cultural Diversity Award Finalist.

Trinity University, San Antonio, Texas -- From 1986 to 1987, taught public speaking, debate, philosophical argumentation, the oral tradition of literature, and contemporary political rhetoric: Reagan and Gorbachev as a visiting instructor.

Weber State University, Ogden, Utah -- From 1982 to 1986, taught public speaking, introduction to oral interpretation, debate and argumentation, oral interpretation of children's literature, advanced debate and argumentation, decision-making, journalism for policy studies, rhetorical criticism, policy research--Constitutional rights, and advanced oral interpretation of literature as an instructor; Master Teacher Finalist -- 1983 (top 5 out of 400).

Seton Hall University, South Orange, New Jersey -- From 1975 to 1981, taught courses in oral communication, speech writing, oral interpretation, performance theory, creative writing, college English, and persuasive speaking as an adjunct instructor.

RECENT CURRICULUM DEVELOPMENT

North Carolina State University, Raleigh, North Carolina -- 2008 to present introduced new courses in social media, risk communication and hazard communication, including Disaster Communication and Climate Change Communication (both UG & G).

University of South Carolina, Columbia, South Carolina -- From 1999 to 2002, served and chaired the University Committee on Curriculum and Courses and in speech, introduced new courses in advanced debate and argumentation, alternative voices, popular culture, science and technology, and risk. Co-designed new core in emphasis and streamlined/updated offerings. I was primarily responsible for the design of new M.A. curriculum including new courses in historical debates, arguments in science and technology, risk communication, and directing debate and forensics events.

DIRECTED INDEPENDENT STUDIES, READINGS, AND DISSERTATIONS

North Carolina State University

DOCTORAL DISSERTATIONS

Cummings, C. "Impacts of Communicating Secondary Risks on Risk Reduction Responses: The Case of Nanoparticle-Formulated Sunscreens" (Fall 2012).
Frith, J. "Locative Mobile Social Networks: Mapping Communication and Location in Urban Spaces" (Spring 2012).

MASTERS THESES

Timberlake, S. "Social Exploitation Theory and Children's Healthcare of Atlanta: Exploitation and negative emotions to influence change"
Johnson, N. "How People Respond: A Meta-Analysis of Post-Tornado Interviews and Surveys."
Li, Y. "Do People with an Interdependent Cultural Background Show Optimistic Bias? Testing Optimistic Bias and its Predictors and Behavioral Consequences."

DIRECTED READING/INDEPENDENT STUDIES

Cummings, C. "Risk Communication," Fall 2011.
 Hayden, N. "Fear in Persuasion," Spring 2011.
 Cummings, C., Frith, J., & Morain, M., "Social Media Scholia," Fall 2010.

University of South Carolina

McNally, Patrick, "Rhetoric on Military Nanotechnology," Spring 2006.
 Samuel, Ian. "Nanopublishing: Blogging." Spring 2005.
 Tenny, Marie. "Nanopublishing: Blogging." Spring 2005.
 Hancock, Alan. "Risk Communication: GMOs and Nanotechnology." Spring 2003.
 Shipman, John. "Abstracting Commercial Nanotechnology." Fall 2002.
 Yehl, Michael. "Abstracting Nanoscience." Fall 2002.
 Grant, Tiffany. "Abstracting Nanotechnology." Fall 2002.
 Coyle, Christopher, "Battle Flag Debates: 2000." Fall, 2000.
 Sox, Crystal, "Role Model Epidemic." Fall, 2000.
 Bailey, Erin, "Teaching Contest Debating," Spring, 2000.
 Trotti, John, "The Philosophy of Giambattista Vico and Its Contemporary Applications," Spring, 1999.
 Hill, Scott, "Teaching Public Speaking," Summer, 1998.
 Cook, Diana, "Non-Policy Debating," Summer, 1997.
 McFadden, Lane, "What They Don't Know Can't Hurt Them: Implications of 'Silent Outrage' for Risk Communication," Spring 1997.
 Hayes, Norman, "Cost-Benefit Analysis," Spring 1993.
 Bomar, Leslie, "Rhetoric and Public Relations," Fall, 1992.
 Jeter, Leigh, "Risk Communication," Spring, 1992
 Rimmer, Wayne, "The Rhetoric of the Pulpit during the Civil War," Fall, 1991
 Boan, Jason, "The Rhetoric of Social Control," Spring, 1991.
 Smith, Mark, "Rhetoric of Critical Legal Studies Movement," Spring, 1991.

HONORS THESES

Hicks, Andrew, "Examining the Repercussions of Science in the Third Reich," Spring 2006. Honors.
 Dickson, Christopher, "SEIN as CSR," Spring 2006. Honors.
 Puckett, Caroline. "A National Rising: National Tragedy, Presidential Rhetoric, and the Proliferation of Ideology." Fall 2004.
 Shipman, John. "Economics of Nanotechnology." Spring 2004. Honors.
 Dennis, Katie. "Apologia in a Corporate Setting: PSE&G." Spring 2001.
 Parmett, Justin. "Congressional Rhetoric of the War in Kosovo." Spring 2001.
 McFadden, Lane. "A Rhetorical Analysis of Cloning Phenomenon" Spring 1998. Honors.
 Alexander, Bryan. "Critical Study of Comics." Spring 1998. Unsuccessfully completed.
 Martin, Ben, "Improving federal initiatives for wilderness and natural area protection in the United States." Spring 1996. Honors.

MASTERS THESES

- Crump, Pam. "The Tools of War Rhetoric." Summer 2004.
 Richardson, Chanel, "Black Lesbian Narratives." Spring 2001. Unsuccessfully completed.
 Herbert, Sharnine. "Rhetoric of Black Panthers Movement." Spring 1995.

DIRECTED PUBLICATIONS WITH STUDENTS

North Carolina State University

- "Convergence in Ethical Implication and Communication of Emerging Technologies." W. C. Cummings. In W. S. Bainbridge & M. Roco, (Eds), *Handbook of Science and Technology Convergence*. NY: Springer. 2016. 755-766. ISBN: 978-3-319-07051-3.
- "Influences of Individual-Level Characteristics on Risk Perceptions to Various Categories of Environmental Health and Safety Risks." With C. Cummings and M. Lavelle. *Journal of Risk Research*. 2013. 16:10. 1277-1295.
<http://dx.doi.org/10.1080/13669877.2013.788544>.
- "Unexpected Appropriations of Technology and Life Cycle Analysis: Reframing Cradle-to-Grave Approaches." With C. Cummings and J. Frith. In Emerging Technologies: Socio-Behavioral Life Cycle Approaches. Singapore: Pan Stanford Publishing. 2013. 251-271.
- "Comparing Nanoparticle Risk Perceptions to Other Known EHS Risks," with C. Cummings (student), Frith, J. (student), Binder A. & Oldendick, R., Journal of Nanoparticle Research, 2011., Early online. 7 March 2011. DOI 10.1007/s11051-011-0325-z.
- "Characteristics and Classification of Nanoparticles," with C. Cummings (student), M. Cacciatore, D. Scheufele, & J. Kalin (student), Nanotoxicology, June 2011, 236-243. DOI:10.3109/17435390.2010.521633.
- BOOKS REVIEW: "Jean Burgess and Joshua Green, YouTube: Online Video and Participatory Culture (Cambridge: Polity, 2009), Alexander Halavais, The Search Engine Society (Cambridge: Polity, 2008), and Robert Hassan, The Information Society: Cyber Dreams and Digital Nightmares (Cambridge: Polity, 2008), w. J. Frith (student), M. Morain (student), C. Cummings (student), Journal of Communication, 61(2011): E12-14.
- BOOKS REVIEW: "Nicholas Carr, The Shallows: What the Internet Is Doing to Our Brains (NY: Norton, 2010) and Jaron Lanier, You Are Not a Gadget: A Manifesto (NY: Knopf, 2010). w. J. Frith (student), M. Morain (student), C. Cummings (student), Journal of Communication, 61(2011): E9-E12.
- "Communicating Risk in the 21st Century: The Case of Nanotechnology," with B. Faber, D. Scheufele, C. Cummings (student), G. Gardner (student), K. Martin (student), M. Martin, N. Temple (student), 2010, National Nanotechnology Coordination Office, Arlington, VA.

"Project on Emerging Nanotechnologies - Consumer Product Inventory Evaluated," with E. Searson (student), T. Morton (student), & C. Cummings (student). Nanotechnology Law and Business, 2010, 7(2): 152-163.

University of South Carolina

"The Rhetoric of Stake-holding," with C. Dickson (student), Nanoethics: Examining the Societal Impact of Nanotechnology, Hoboken, NJ: Wiley and Sons, 2006, 225-240.

"Denialism: Drexler vs. Roco." with JD Shipman (student), IEEE: Technology and Society. Winter 2005. 22-26.

REFEREED PUBLICATIONS (SCIENCE-TECH)

"Recommendations for the Implementation of Telehealth in Cardiovascular and Stroke Care." With 14 co-authors, lead: Tiner, A. Circulation. (In press).

"Nanomedicine and Personalized Care: Fact or Fiction." With E. Winderman. Handbook of Clinical Nanomedicine: From Bench to Bedside, R. Bawa, G. Audette and I. Rubinstein. (Editors): Pan Stanford Publishing, Singapore. (In press).

"The Audience is the Message: Nanomedicine as Apotheosis or Damnatio Memoria Handbook of Clinical Nanomedicine: From Bench to Bedside, R. Bawa, G. Audette and I. Rubinstein. (Editors): Pan Stanford Publishing, Singapore (2015), 1000+ pages. [Hardcover ISBN: 9789814316170; eBook ISBN: 9789814411660]. 2016. 1117-1140.

"Nanoscience and water: Public engagement at and below the surface." In A. Street, R. Sustich, J. Duncan, & N. Savage, (Eds.), Nanotechnology Applications for Clean Water: Solutions for Improving Water Quality. 2nd Ed. NY: William Andrew Publishing, 2014, pp. 583-594.

"Other Public Communities. Stakeholder Perspectives on Perception, assessment, and Management of the Potential Risks of Nanotechnology." Report of the National Nanotechnology Initiative Workshop September 10–11, 2013. (Meeting held in 2013 but finally in print) DC: National Science and Technology Council. 2016. 42-44.

"Public Participation and Innovation Ecosystems for Convergence." In Convergence of Knowledge, Technology and Society: Beyond Convergence of Nano-Bio-Info-Cognitive Technologies. M. Roco, W. Bainbridge, B. Tonn, & G. Whiteside. (Editors): NY: Springer. 2015. ISBN: 3319022032; 465- 470.

"Constructing Texts in Fringe Science: Challenges in Propaedeutics." Public Participation and Innovation Ecosystems for Convergence." In POROI: Inventing the Future: The Rhetorics of Science, Technology, and Medicine. 9(1). 2013. Online <http://ir.uiowa.edu/poroi/vol9/iss1/16/>. Accessed May 22, 2013.

"Influences of Individual-Level Characteristics on Risk Perceptions to Various Categories of Environmental Health and Safety Risks." With C. Cummings and M. Lavelle. Journal of Risk Research. 2013. <http://dx.doi.org/10.1080/13669877.2013.788544>.

- "Unexpected Appropriations of Technology and Life Cycle Analysis: Reframing Cradle-to-Grave Approaches." Cummings, C., Frith, J. and Berube D.M. In *Emerging Technologies: Socio-Behavioral Life Cycle Approaches*. Singapore: Pan Stanford Publishing. 2013. 251-271.
- "Socialis Commodis and Life Cycle Analysis: A Critical Examination of Uncertainty." In *Emerging Technologies: Socio-Behavioral Life Cycle Approaches*. Singapore: Pan Stanford Publishing. 2013. 139-163.
- "Public Participation in Nanotechnology Debate in the United States". *Nanotechnology Research Directions for Societal Needs in 2020: Retrospective and Outlook*. M. Roco, C. Mirkin and M. Hersam (Editors). Springer. 2011. 469-470.
- "Decision Ethics and Emerging Technologies." European Journal of Law and Technology. 2011, 2(3). 1-8.
- "Rhetoric and Risk" with R. Schwartzman & D.G. Ross., Poroi, 2011, 7(1): article 9. <http://ir.uiowa.edu/poroi/vol7/iss1/9>.
- "Comparing Nanoparticle Risk Perceptions to Other Known EHS Risks," with C. Cummings (student), Frith, J. (student), Binder A. & Oldendick, R., Journal of Nanoparticle Research, 2011., Early online. 7 March 2011. DOI 10.1007/s11051-011-0325-z.
- "Characteristics and Classification of Nanoparticles: Expert Delphi survey," with Cummings, C., Cacciatore, M., Scheufele, D., & Kalin, J., Nanotoxicology, 2011, 5(2), 236-242. DOI:10.3109/17435390.2010.521633.
- "Project on Emerging Nanotechnologies - Consumer Product Inventory Evaluated," with Searson, E., Morton, T., Cummings, C., Nanotechnology Law and Business, 2010, 7(2): 152-163.
- "Communicating Risk in the 21st Century: The Case of Nanotechnology," with Faber, B., Scheufele, D., Cummings, C. Gardner, G., Martin, K., Martin, M., & Temple, N., 2010, National Nanotechnology Coordination Office, Arlington, VA.
- "Nanoscience and Water: Public Engagement at and Below the Surface," in Savage, N., Diallo, M., Duncan, J., Street, A. & Sustich, R., eds., Nanotechnology Applications for Clean Water, NY: William Andrew Publishing, 2009, 521-533.
- "Rhetorical Gamesmanship in the Nano Debates Over Sunscreens and Nanoparticles," Journal of Nanoparticle Research, 2008, 10:23-37. DOI 10.1007/s11051-008-9362-7 & "Reply from David Berube," Journal of Nanoparticle Research, 2008, 10:265-266. DOI:10.1007/s11051-008-9443-7.
- "A Nanotale of Opportunities, Uncertainties and Risks," with Borm, P., Nano Today, 3:1-2, Feb-Apr, 2008, 56-59.
- "Intuitive Toxicology: The Public Perception of Nanoscience," in Alhoff, F. & Lin, P., eds., Nanoethics: Emerging Debates, London: Springer, 2008, 91-108.
- "Stakeholder Participation in Nanotechnology Policy Debates," in Bennett, D. ed., Nanotechnology: Ethics and Society, London: CRC Press (Taylor & Francis), 2008, 225-229.
- "Public Acceptance of Nanomedicine: A Personal Perspective," in J. Baker, ed., Nanomedicine, NY: Wiley Interdisciplinary Reviews, 2008, 2-5.
- "The Rhetoric of 'Stake-holding'," in Alhoff, F., Lin, P., Moor, J., Weckert, J., eds., Nanoethics: Examining the Societal Impact of Nanotechnology, Hoboken, NJ: Wiley and Sons, 2006, 225-240.

"The Magic of Nano," Nanotechnology Perceptions, 2006, 2:249-255.

Nanohype: The Truth Behind the Nanotechnology Buzz. Amherst, NY: Prometheus Press, 2005, 500 pp.

"Denialism: Drexler vs. Roco," with Shipman, J.D., *IEEE: Technology and Society*, Winter, 2005, pp. 22-26. (In print).

"Communicating Nanotechnological Risks," in Societal Implications of Nanoscience and Nanotechnology II: Maximizing Human Benefit, Report of the National Nanotechnology Initiative Workshop, December 3-5, 2003, Arlington, VA, Principal Report Editors, Mihail C. Roco and William Sims Bainbridge, National Science Foundation, 2004, pp. 282-287 (In print).

"Rhetoric of Nanotechnology," in D. Baird, A. Nordmann, J. Schummer eds., Reading NanoScience, Amsterdam: IOS Press, 2004, 173-192. (In print).

SELECTED BOOK REVIEWS

Book Review: Life at the Speed of Light: From the Double Helix to the Dawn of Digital Life, J. Craig Venter, NY: Viking (2013) 187 pp. and Regenesis: How Synthetic Biology Will Reinvent Nature and Ourselves, G. Church and E. Regis. NY: Basic Books (2012) 284 pp. Risk Analysis. (2016).

Jean Burgess and Joshua Green, YouTube: Online Video and Participatory Culture (Cambridge: Polity, 2009), Alexander Halavais, The Search Engine Society (Cambridge: Polity, 2008), and Robert Hassan, The Information Society: Cyber Dreams and Digital Nightmares (Cambridge: Polity, 2008). Journal of Communication, 61(2011): E12-14.

Nicholas Carr, The Shallows: What the Internet Is Doing to Our Brains (NY: Norton, 2010) and Jaron Lanier, You Are Not a Gadget: A Manifesto (NY: Knopf, 2010). Journal of Communication, 61(2011): E9-E12.

Nicholas Russell, Communicating Science: Professional, Popular, Literary (NY: Cambridge University Press, 2010), 324 pp. ISBN: 9780521131728, \$31.99 (softback), Journal of Communication, 60(3): E1-E5. doi:10.1111/j.1460-2466.2010.01499.x

Donghong Cheng, Michael Classens, Toss Gascoigne, Jenni Metcalfe, Bernard Schieve, & Shunke Shi (Eds.), Communicating Science in Social Contexts: New Models, New Practices (NY: Springer 2008), 322 pp. ISBN: 9789048179282, \$199.00 (hardback), Journal of Communication, 60(3): E1-E5. doi:10.1111/j.1460-2466.2010.01499.x

Daniel Gardner, Risk: The Science and Politics of Fear (London: Virgin Books, 2008), 355 pp. ISBN: 9781905264155, £17.99 (hardback) [published in the USA as The Science of Fear: Why We Fear the Things We Shouldn't—and Put Ourselves in Greater Danger (NY: Dutton, 2008), 352 pp. ISBN: 9780525950622, \$24.95 (hardback)], Public Understanding of Science, 18(3): 375-376.

Simon Briscoe and Hugh Aldersey-Williams, Panicology: What Are You Afraid Of? Two Statisticians Explain What's Worth Worrying About (and What's not) in the 21st Century (London: Viking Penguin, 2008), 304 pp. ISBN: 9780670917013, £18.98 (hardback), Public Understanding of Science, 18(3): 375-376.

Hugh Aldersey-Williams, Findings: Hidden Stories in First-Hand Accounts of Scientific

- Discovery (UK: Lulox Book, 2005), 280 pp. ISBN 0954890801 £19.99 (paperback), Public Understanding of Science, April 2006, 252-253.
- Chris Mooney, The Republican War on Science, (NY: Basic Books, 2005), 342 pp. ISBN: 0465046754, US \$24.95 (hardback), Public Understanding of Science, 15:3, July 2006, 378-380.

SELECTED BOOK REVIEWS OF NANOHYPER

- George Whitesides, "Travelogues from Lilliput," American Scientist, September-October 2006 (online)
<http://www.americanscientist.org/template/BookReviewTypeDetail/assetid/53118>
- James Lewis, Book Review, Foresight Nanotech Update, 56, Summer Issue, pp. 11-12.
- Sonia Miller, "Are We There Yet?" EH&S Nano News, 1:4, May 2006, 1-2 (included).
- Merkel, Michelle, "A Review of Nano-hype: The Truth Behind the nanotechnology Buzz," Nanotechnology Law and Business, September 2006, 375-381 (included).
- Patrick Tucker, "The Nanotech Gold Rush," The Futurist, May-June 2006, pp. 14-15, (online) <http://www.wfs.org/trend3mj06.htm>.
- Schwartzman, Roy. Review of Nano-Hype: The Truth Behind the Nanotechnology Buzz, by David M. Berube. Southern Communication Journal 71 (2006): 413-415.
- Candace Stuart, "Nano Stripped of Hype Takes on a New Reality," Small Times, October 2005, p. 40 (included).

REFEREED PUBLICATIONS (DEBATE)

- "A Radical Complaint," Contemporary Argumentation and Debate, 23, 2002, 94-99. (In print).
- "Debunking Mini-Max Reasoning: The Limits of Extended Causal Chains in Contest Debating," Contemporary Argumentation and Debate, 21, 2000, pp. 53-73 (in print) selected for reprinting in Today's Debate: Contemporary Perspectives on Advocacy and Argumentation, K. Broda-Bahm, ed., NY: Central European Press. 2002, pp. 129-152. (In print).
- "The Downside of Internet Debating," The Rostrum, 74:10. Summer 2000, pp. 17 & 19.
- "Erasure and Thinking Kritiks: A Debate," guest edited a forum for International Journal of Forensics, 2:2, Summer 2000, pp. 162-203. (In print.)
- "Response: Counterkritiks And Erasure Permutations," International Journal of Forensics, 2:2, Summer 2000, pp. 193-203. (In print).
- "Fiat and the Circumvention Argument," Contemporary Argumentation and Debate, 20, 1999, 24-46 (In print) selected for reprinting in Today's Debate: Contemporary Perspectives on Advocacy and Argumentation, K. Broda-Bahm, ed., NY: Central European Press. 2002, pp. 215-240. (In print).
- "The Future of Debating," guest edited a forum for International Journal of Forensics, 1:2, Spring, 1999, 131-173. (In print).
- "The Future of Debating is What We Design it to be," International Journal of Forensics, 1:2, Spring, 1999, 164-173. (In print).
- "The Last Debate in Meatspace," The Southern Journal of Forensics, 2:1, Spring, 1997,

- pp. 19-31. (In print).
- "Criticizing Kritiks: Textual Analysis Re-examined," Contemporary Argumentation and Debate, 18, 1997, 68-81. (In print) selected for reprinting in Today's Debate: Contemporary Perspectives on Advocacy and Argumentation, K. Broda-Bahm, ed., NY: Central European Press. 2002, pp. 285-301. (In print).
- "Response to Topical Counterplans," The Southern Journal of Forensics, Summer, 1996, 1:2, pp. 118-120. (In print).
- "Kritiks: Attitude of the Diet Explained," Southern Journal of Forensics, 1, 1996, pp. 13-30. (In print).
- "Parametric Interpretation: Issues and Answers," Contemporary Argumentation and Debate, 16, 1995, pp. 30-51. (In print).
- Non-Policy Debate, Lanham, MD: University Press of America. 1994. 376 pages.
- "Response" with A. C. Snider to "Criterial Considerations in Sorting Resolutions." 20th Anniversary Assessment Conference Proceedings, David Thomas & Steven Wood, eds. Dubuque, IA: Kendall/Hunt Publishing Co. 1991, pp. 239-243. (In print). [1/2 by candidate].
- "What Killed Schrodinger's Cat: Parametric Topicality, That's What!" in Advanced Debate: Readings in Theory, Practice & Teaching, David Thomas & Jack Hart, eds., Lincolnwood. IL: National Textbook Co. 1991, pp. 430-452. (In print).
- "Parametric Topicality: An Analysis and Rebuttal," in CEDA Yearbook, 12, 1991, pp. 12-26 selected for reprinting in Advanced Lincoln Douglas Debating, W. Bennett, ed., Taos. NM: CDE. 1994, pp. 217-221. (In print).
- "Debating Impacts: Intrinsicness Argumentation in Nonpolicy Debating," in Advanced Debate: Readings in Theory, Practice & Teaching, David Thomas & Jack Hart, eds., Lincolnwood. IL: National Textbook Co. 1991, pp. 560-575. (In print).
- "Parameter\$ for Criteria Debating." CEDA Yearbook, 11. 1990, pp. 9-25. (In print).
- "Hasty Generalization Revisited: Part One, On Being Representative Examples," CEDA Yearbook, 10. 1989; Selected for reprinting (in part) in Advanced Debate: Readings in Theory, Practice & Teaching, David Thomas & Jack Hart, eds., Lincolnwood. IL: National Textbook Co., 1991, pp. 535-548. (In print).
- "Debating Hasty Generalization." CEDA Yearbook, 4. 1983. Selected for reprinting (in whole) in Advanced Debate: Readings in Theory, Practice & Teaching, David Thomas, ed., Lincolnwood. IL: National Textbook Co., 1987, pp. 483-489 and (in part) 1991, pp. 535-548 and in Advanced Lincoln Douglas Debating, W. Bennett, ed., Taos. NM: CDE., 1994, pp. 165-168. (In print).

INVITED WEBINARS/INTERVIEWS ONLINE

- "Webinar: ZIKV: Communication and Zika." William Jewell College, Liberty MO. October 26, 2016.
- "Radio Interview: Nanotechnology: An Introduction." Nanotechnology InsideOut Program. Interview, Sao Paulo, Brazil. April 26, 2016.
- "Radio Interview: Emerging Energy Technologies and Public Engagement." Public Radio: Honolulu, HI. April 17, 2016.
- "Webinar: Intuitive Toxicology and Nanoparticles." Society of Toxicology. Nanotoxicology Specialty Section. November 18, 2014.

INVITED PUBLICATIONS (SCIENCE-TECH)

- "The Grant Landscape for Communication Scholars." SPECTRA. 49(4). November. 22-25.
- "Breaking the Carbon Barrier: Nanobiomaterials and Communal Ethics," Nanobiomaterials Handbook, Sitharaman, B. ed., CRC Press. NY, NY: CRC Press, 2011. pp. 32-1 – 32-9.
- "Researching Social Media in the 21st Century," 2011, National Science Foundation-Social, Behavioral, and Economic Sciences 2020: Future Research in the Social, Behavioral and Economic Sciences. http://www.nsf.gov/sbe/sbe_2020/pdfs/Berube_David_75.pdf.
- "Nanotechnology Politics," Issues in Science and Technology, 22:1, Fall, 2005, pp. 16 & 18.
- "Summit Time," Nano Today, 1:1, January 2006, p. 48.

INVITED PUBLICATIONS (DEBATE)

- "The Downside of Internet Debating," The Rostrum, 74:10, Summer 2000, pp. 17 & 19.
- "Response: Counterkritiks and Eraser Permutations," International Journal of Forensics, 2.2, Summer 2000, pp. 193-203.
- "Intrinsicness: Standards for Arguing Off-Case," StarMakers, 6:2, Spring, 1991.
- "Some Remarks on Parametric Topicality," StarMakers, 6:1, Fall, 1990.

PROFESSIONAL PAPERS (SCIENCE-TECH AND NON-DEBATE)

- "Reframing Nanotechnology." "Sustainable Nanotechnology Organization meeting. Orlando, FL, December 9, 2016.
- "Emerging Energy Technologies and Public Engagement." Invited Presidential Address. Aloha Tower, Honolulu, HI. April 18, 2016.
- "New Societal Implications to Synthetic Biology." SRA Meeting, Arlington, VA. December 8, 2015.
- "Societal implications of Synthetic Biology." SynBioBeta meeting in San Francisco, CA November 5, 2015.
- "Public Understanding of Synthetic Biology." SRA World Summit in Singapore. July 19, 2015.
- "Societal Aspects of Synthetic Biology." Research Agendas in the Societal Aspects of Synthetic Biology, Tucson, Arizona workshop. May 20, 2015.
- "Public Understanding of Toxicology." Annual Meeting on the non-profit group, The Society of Environmental Toxicology and Chemistry (SETAC). RTP. February 5, 2015.
- "Inevitability as an Argumentative Device in Debates over Fringe Technologies," NCA (National Communication Association), Washington, DC November 24, 2013.
- "Greenwashing; a Tale of Precaution" SNO (Sustainable Nanotechnology Organization), UC Santa Barbara, CA. November 4, 2013.

- "Preliminary Analysis and Comparisons of Experts and Public Understanding of Risks and Benefits of Nanoparticles and Nanomaterials, S.Net (Society for the Study of Nanoscience and Emerging Technologies, Boston, MA., October 28, 2013.
- "Public Communities," NNI Stakeholder Perspectives on the Perception, Assessment, and Management of the Potential Risks of nanotechnology, NNCO, Washington, DC, September 11, 2013.
- "Ethical, Legal, and Societal Implications," NNI Strategic Planning Stakeholder Workshop. NNCO , Washington, DC, June 12, 2013.
- "Messaging for STEM Workforce: STEM Recruitment and Retention Messaging," US White House OSTP and IDA STPI (Science and Technology Policy Institute, Washington, DC, July 31, 2013.
- "Negative Labeling." Society of Risk Analysis Conference, San Francisco, CA, December 3, 2012.
- "Digital Amplification of Risk." Society of Risk Analysis Conference, Charleston, SC on December 2, 2011.
- "Digital Risk Attenuation." 4S Conference, Cleveland, OH on November 5, 2011.
- "Risk Attenuation: Law of the Grass Mud Horses." Communication, Rhetoric, and Digital Media program's research symposium at NCSU, Raleigh, NC on April 15 & 16, 2011.
- "The Social Science of Science: Food and Public Communication" International Food Information Council Round Table on Risk Communication on April 7, 2011.
- "Crisis in Risk Communication: Marketing Green Nanotechnology" American Chemical Council's Fall Meeting, Anaheim, CA. March 27, 2011.
- "Participatory Governance of Nanotechnology" at the NSF Nanoscale Science and Engineering Grantees Conference, December 8, 2010.
- "Risk Analysis and Management: Nanoscience" at the Society for Risk Analysis Annual Meeting, Salt Lake City, UT, December 7, 2010.
- "Ethics of Emerging Technologies" at the National Communication Association Annual Meeting, San Francisco, CA, November 13, 2010.
- "French Protests Over Nanotechnology: Public Engagement and Lessons Learned" at the Society for the Social Studies of Science Annual Meeting, Tokyo, JP, August 25-29, 2010.
- "Nanotoxicology and Public Perception" at the International Conference on the Environmental Implications on Nanotechnology, UCLA, Los Angeles, CA, May 11-13, 2010.
- "Public Perceptions: Interest, Attention..." at the NC State Nanotechnology Integration Forum, Raleigh, NC, March 23, 2010.
- "Public Perceptions: Interest, Attention..." at the NANO2 Workshop, Evanston, IL, March 10, 2010.
- "Public Perceptions" at the National Science Foundation Awardees Meeting, Arlington, VA, December 9, 2009.
- "COPE-ing with the Public" at the National Communication Association Annual Meeting, Chicago, IL, November 11-15, 2009.
- "Public Understanding of Food Technologies" at the Calorie Control Council Annual Meeting, Jacksonville, FL, November 7-10, 2009.

- “Public Perception and Nanotechnology” at the Society for Social Studies of Science Annual Meeting, Washington, DC, October 31, 2009.
- “Environmental Health and Safety: Communicating About Nanoscience Risks and Benefits” at the Research Triangle Environmental Health Collaborative Meeting, RTP, NC, October 8-9, 2009.
- “Public Understanding of Science and Technology: Strategic Uncertainty” at Center for Workplace Development Graduate Student Nano-Ethics Program, University of Washington, September 9, 2009.
- “The Social Science of Science: An Introduction with Three Suggestions and Three Recommendations” at the International Food Information Council Meeting, Northbrook, IL, June 24, 2009.
- “Emerging Technologies: Trust and Risk” at CCI Interdisciplinary Panel, UNC-Greensboro, Greensboro, NC, March 19, 2009.
- “Public Understanding of Emerging Science and Technology: Four Observations” at Society of Toxicology Annual Meeting, Baltimore, Maryland, March 17, 2009.
- “Public Understanding of Emerging Science and Technology: Eight Rules and Three Keys from the NanoExperience” at ILSINA 2009, Tucson, AZ, January 21, 2009.
- “Communicating Risk to the Media and Public – White Paper Experience” at Society for Risk Analysis Conference, Boston, MA, December 10, 2008.
- “Communicating Risk to the Public – Seven Guides to Communicating Risk” (via Skype) at NanoMex 08, Mexico City, Mexico, November 5, 2008.
- “Intro to Nanotechnology: Nanoscience and its Implications” at ENCORE, North Carolina State University, Raleigh, NC, October 10, 2008.
- “Communicating Risk to the Public – Seven Guides to Communicating Risk” at NanoRisk 2008, Paris, France, October 21, 2008.
- “Breaking the Carbon Barrier: Religion and Risk Regimes” at EC-US Task Force on Biotechnology Research, Ispra, Italy, June 3, 2008.
- “Societal Implications of Nanobiotechnology” at EC-US Task Force on Biotechnology, Milan, Italy, June 2, 2008.
- “Intuitive Toxicology: Direction and Challenges” at Nanotoxicity: Managing the Risk Governance Conference, Sofitel Bercy, Paris, France, June 26-28, 2007.
- “Introduction to Intuitive Toxicology” as an Occasional Speaker at the Network for Nanotechnology in Society, Arizona State University, Tempe AZ, April 26, 2007.
- “Building and Maintaining Consumer Confidence in times of Rapidly Emerging Technology” as a guest speaker at the April Meeting of the Grocery Manufacturing/Food Products Association Meeting, Four Seasons Resort, Scottsdale, AZ, April 27, 2007.
- “Communitas among Toxicologists in Nanoscience,” Society for the History of Technology, Las Vegas, NV, October 13-16, 2006.
- “Intuitive Toxicology: Challenges,” Nano Tex 06 Conference and Expo, Dallas, TX, September 26-28, 2006.
- “Nanotechnology,” Point-Counter Point Video Discussion, The Center for the Future of Medicine, Washington, DC, August 31, 2006.
- “Communicating Risk to a Public Audience: Intuitive Toxicology,” 6th Conference of the International Society for the Study of Argumentation, Amsterdam, June 27-30, 2006

- “Rhetorical Strategies for Public engagement: The National Nanotechnology Initiative and its Promotion,” Rhetorical Society of American Convention, Memphis, TN, May 26-28, 2006.
- “Risk Algorithms and Emerging Nanotechnologies,” Materials Research Society Conference, Boston, MA, December 1, 2005 (Invited).
- “Stakeholders within the National Nanotechnology Initiative,” AARST (American Association for the Rhetoric of Science and Technology), National Communication Association Convention, Boston, MA, November 16, 2005.
- “Applied Nanoscience and Environmental Health and Safety: An Introduction and Recommendations,” EuroNanoForum 2005: Nanotechnology and the Health of the EU Citizen in 2020: September 7, 2005, Edinburgh, Scotland (Invited).
- “SEIN in Industry: Allies or Adversaries,” NSF sponsored Nanoethics Conference, University of South Carolina, Columbia, March 2-5, 2005.
- “SEIN (Societal and Ethical Implications of Nanotechnology,” Testimony before the Committee to Review that national Nanotechnology Initiative, Assess the Responsible Development of Nanotechnology, and Determine the Technical Feasibility of Molecular Self Assembly, National Materials Advisory Board, National Academy of Sciences, Washington, DC, February 9-11, 2005, (Invited).
- “Technologies of vision: imaging science and imagining realities,” David Berube and M. Glenn Prince, University of South Carolina NanoCenter, NCA Convention, November 11-14, 2004, Chicago, IL.
- “Nanotechnology: Hyperbole and Policy Making,” 1st Conference on Advanced Nanotechnology: Research, Applications, and Policy, October 21-24, 2004, Washington, DC.
- “Heuristics and Biases in the Social Amplification of Risk Framework,” Headed a seminar at Rice University, October 17, 2004, (Invited).
- “Smoke and Mirrors: SEIN and the NSF.” Nanodays – Rice University, Houston, TX. October 12-14, 2003, (Invited).
- “Communicating Nanotechnological Risks.” NSF – Workshop on Societal Implications of Nanoscience and Nanotechnology, NSF, Washington, DC. December 3-5, 2003, (Invited).
- “Communicating Nanotechnology” Program Organizer, chair, and presenter. National Communication Association Convention, Miami Beach, FL. November 19-23, 2003.
- “Building a Public Sphere: Hypotheses addressed in USC-NSF-NIRT.” National Communication Association Convention, Miami Beach, FL. November 19-23, 2003.
- “Rhetoric of Nanotechnology.” Presented at the Discovering the Nanoscale Conference, Columbia, SC. March 22, 2003.
- “The Doctrine of Victorious Defeat Revisited: The Confederate Flag Debates in South Carolina’s General Assembly April 12, 13, May 19, and 20, 2000, presented at the biennial Rhetoric Society of American Conference, Las Vegas, NV, May 24, 2002.
- “Creative Approaches to Teaching the Rhetoric of Science and Technology: Performance and Teaching RST,” presented at the National Communication Association Convention, Seattle, November 9, 2000.

- "Author Meets Critics: *The Scientific Voice*," panelist at the National Communication Association Convention, Seattle, November 10, 2000.
- "An Investigation of the Sublime in Posthumanist Culture," A paper presented at the Thirteenth Annual International Conference in Literature, Visual Arts, and/or Cinema, State University of West Georgia, Atlanta Renaissance Hotel-Downtown, Atlanta, Georgia, November 8, 1998.
- "Posthumanism as a Rhetorical Methodology," A paper presented at the Fourth International Conference on Argumentation, University of Amsterdam, Amsterdam, June, 1998.
- "Understanding Posthumanism -- Debunking the Humanists: Arguments from Science Fiction and Faction," A paper presented at the Twelfth Annual International Conference in Literature and the Visual Arts, including Cinema, State University of West Georgia, Atlanta Renaissance Hotel-Downtown, Atlanta, GA, October 23, 1997.
- "Posthumanism in American Society: An Examination of Popular Culture Artifacts, Part 1," Carolina Speech Communication Association Convention, Charleston, SC, October 3, 1997.
- "Star Trek: Mythopoeisis and Historical Analysis; Popular Culture and Pedagogy," A paper presented at the Carolina Speech Communication Association Convention, Raleigh, NC, October 26, 1996.
- "Claims of Techno-Visionaries: An Analysis of Nanotechnology through the Rhetoric of K. Eric Drexler and the Foresight Institute," A paper presented at the Communication in High Risk Technologies: Global and Local Ethical Concerns Seminar, Speech Communication Association Convention, Atlanta, 31 October 1991.
- "A Prospectus for the Future Development of the Speech Lab: Hypertext Application." ERIC. A paper presented at the Speech Communication Association Convention, New Orleans, 6 November 1988.

PROFESSIONAL PAPERS (DEBATE)

- "Observations on the Performance of Narratives or Performing for Elmo!" Presented at the National Communication Association Convention. New Orleans. November 23, 2002.
- "Judging Performance." Presented at the National Communication Association Convention. New Orleans. November 23, 2002.
- A Debate: Is Debate Appropriate for Secondary School's Curriculum? a debate at the International Debate Education Association Conference, Prague, October 11, 2001.
- Using the Mini-Debate Format for Teaching Skills, a pedagogical guide and paper to be presented at the International Debate Education Association Conference, Prague, October 12, 2001.
- "Counterkritiks and Permutations: Responding to Kritiks or Revisiting Utopian Counterplans," presented at the National Communication Association Convention, Seattle, November 9, 2000.

- "Tenure and Promotion and the Contest Debate Educator," presented at the National Communication Association Convention, Seattle, November 9, 2000.
- "The Downside of Internet Debating," presented at the International Debate Education Association Meeting, Budapest, October 6, 2000.
- "Specific Knowledge in Contest Debating," presented at the International Debate Education Association Meeting, Budapest, October 6, 2000.
- "Converting National Programs from Regional Programs," A paper presented at the National Communication Association Convention, Chicago, November 7, 1999.
- "Operating a National Forensics Program," Carolina Speech Communication Association Convention, Charleston, SC, October 3, 1997.
- "The Last Debate in Meatspace," A paper presented at the Speech Communication Association Convention, San Diego, CA, November 23, 1996.
- "Texts, Contexts, and Retexts: Overinterpretation and Overstanding in Evaluating Debates," A paper presented at the Speech Communication Association Convention, San Diego, CA, November 23, 1996.
- "Counterfactual Reasoning and Time/Causality Considerations," A paper presented at the Speech Communication Association Convention, New Orleans, 21 November 1994.
- "Kritiks: Attitude of the Diet Explained," A paper presented at the Speech Communication Association Convention, New Orleans, 22 November 1994.
- "Counterfactual Reasoning and Its Inappropriateness for Establishing Causal Relationships," A paper presented at the Speech Communication Association Convention, New Orleans, 20 November, 1994.
- "Metaphors as a Substitute for Definition," A paper presented at the Speech Communication Association Convention, Chicago, 1 November 1992.
- "The Off-Case in Non-Policy Debate, Part One: Policy Implications: Justification and Disposition," A paper presented at the Southern States Speech Communication Association Convention, Tampa, 7 April 1991.
- "Intrinsicness Argumentation in Non-Policy Debating: The Countercase." A paper presented at the Speech Communication Association Convention, Chicago, 2 November 1990
- "Parameter\$ for Criteria Debating." A paper presented at the Speech Communication Association Convention, San Francisco, 9 November 1989.
- "The Inductive Model in Competitive Debate." A paper presented at the Speech Communication Association Convention, Chicago, 15 November 1986.
- "Policy Science as an Argumentative Paradigm." A paper presented at the International Argumentation Conference, University of Amsterdam, 4 June 1986.
- "Report on the National Developmental Conference." A paper presented at the Western States Speech Communication Association Convention, California State University - Fresno, 17 February 1985.
- "Drama and Interpretation on a Competitive Level." A paper presented at the Utah Theatre Association Festival VIII, Weber State College, Ogden, 23 February 1984.
- "Non-Policy Debating and Affirmative Case Formats." [ERIC](#). A paper presented at the Western States Speech Communication Association Convention, University of Washington, 21 February 1984.

"CEDA and NDT: Similarities and Differences." A paper presented at the District IX Mini-Conference on Debate, University of Utah, 23 December 1983.

"Presumption in Value Debating." A paper presented at the University of Houston, 20 November 1982.

WORKS IN PROGRESS

PROPOSED WORKS (BOOKS ONLY)

Represented by Artists and Artisans Inc., 104 West 29th Street, 11th Fl., New York, NY 10001, Tel (212) 924 9619 Fax (212) 931 8377.

Communication of Zika: Pandemic Pornography (X: Publisher, date. 200 pp. Proposal submitted.

Digital Amplification of Risk (DART): New Media and Risk (X: Publisher, date. 200 pp. Proposal submitted.

SELECTED CITATION FILE (SCIENCE-TECH, NANOTECHNOLOGY)

Agres, Ted. "US Congress OKs nanotech bill." November 24, 2003.

<http://cmbi.bjmu.edu.cn/news/0311/123.htm> (accessed December 8, 2004).

Agres, Ted. "Opportunity Awaits Small Thinkers." February 1, 2004.

<http://www.keepmedia.com/pubs/DrugDiscoveryDevelopment/2004/02/01/379553?extID=10026> (accessed December 8, 2004).

Blumenstyk, Goldie. "Big Bucks for Tiny Technology." *The Chronicle of Higher Education*, September 10, 2004, Friday, MONEY & MANAGEMENT; Pg. 26, 3467 words, Lowell, Mass. (accessed December 8, 2004), http://www.konarkatech.com/news_and_events/konarka_articles/2004/9_september/the_chronical_of_higher_ed/lowell_ma_usa_konarka.php (accessed December 8, 2004), <http://chronicle.com/free/v51/i03/03a02601.htm> (accessed December 9, 2004).

Choi, Charles. "Nano World: Public attitudes towards nano." *SpaceDaily*. September 14, 2005. <http://www.spacedaily.com/news/nanotech-05zzzw.html> (accessed September 23, 2005).

Choi, Charles. "Nano World: Public attitudes towards nano." *World Peace Herald*. United Press International. September 13, 2005. <http://www.worldpeaceherald.com/storyvbiew.php?StoryID=20050913-2719r> (accessed September 23, 2005).

Choi, Charles. "Nano World: Public attitudes towards nano." *M&C Science & Nature*. September 13, 2005. http://science.monsterandcritics.com/features/article_1048002.php/Nano_World_Public_attitudes_toward_nano. (accessed September 23, 2005).

Choi, Charles Q. Nano World: Nanotech may not reach poor, *World Peace Herald*, March 11, 2005, <http://www.wpherald.com/> (accessed March 21, 2005).

- Choi, Charles Q. "Nano World: Dealing with too much hype." United Press International, October 22, 2004 Friday, 1086 words, NEW YORK, Oct. 22 (UPI), (accessed December 8, 2004), <http://www.spacedaily.com/news/nanotech-04zzzp.html> (accessed December 8, 2004), <http://washingtontimes.com/upi-breaking/20041021-123202-9779r.htm> (accessed December 8, 2004), <http://acceleratingtechnology.com/> (accessed December 9, 2004).
- Choi, Charles. "Analysis: Nano bill promises real results." United Press International, December 3, 2003 Wednesday, 1338 words, NEW YORK, Dec. 3 (UPI). <http://Lexis-Nexis.com> (accessed December 8, 2004).
- Choi, Charles. "Analysis: Nano Bill Not Just a Grand Gesture." United Press International. December 5, 2003. NY. http://www.nanospace.org/new_page_44.htm (accessed December 8, 2004).
- Erfe, Jeff. "Nanoscale center pairs research, outreach at Stanford." University Wire, October 15, 2004 Friday, 891 words, *The Stanford Daily*; SOURCE: Stanford U., STANFORD, Calif.), <http://Lexis-Nexis.com> (accessed December 8, 2004), <http://daily.stanford.edu/tempo?page=content&id=14906&repository=0001article> (accessed December 8, 2004).
- ESRC (Economic and Social Research Council, Nanotechnology, From the Science to the Social: The Social, Ethical, and Economic Aspects of the Debate, ESCR: London, 2007, http://www.esrc.ac.uk/ESRCInfoCentre/Images/ESRC_Nano07_tcm6-18918.pdf, (accessed March 29, 2007).
- Finan, Colin, "Senators Eye Nanotech Liability Approach In Advance Of Regulation," Inside the EPA, January 9, 2007.
- Frauenfelder, Mark. "For Nanoart To Imitate Real Life, Exhibition Goes Back To Basics." *Small Times*. February 12, 2004, http://www.smalltimes.org/document_display.cfm?section_id=46&document_id=7421 (accessed December 8, 2004).
- Freitas, Robert, Jr. and Ralph Merkle. "Kinematic Self-Replicating Machines Testimonials." <http://www.molecularassembler.com/KSRM/Testimonials.htm> (accessed December 9, 2004).
- Holman, Michael, *A Prudent Approach to Nanotech Environmental, Health, and Safety Risks*, NY: Lux Research, May 2005.
- Holman, Michael, *Taking Action on Nanotech Environmental, Health, and Safety Risks*, NY: Lux Research, May 2006.
- Hughes, James J. "The Politics of Transhumanism." <http://www.intelignt.go.ro/level%201/Trans..htm> (accessed December 9, 2004).
- Karoub, Jeff. "Ethics Center A Small Obstacle As Senate Nears Nano Bill Passage." November 6, 2003. http://www.smalltimes.org/document_display.cfm?section_id=51&document_id=6912 (accessed December 8, 2004). <http://www.transhumanism.org/pipermail/wta-politics/2003-November/001256.html> (accessed December 8, 2004).
- Keiper, Adam. "Nano Goes to Washington." WebBlog. http://nanotech2004.thenewatlantis.com/2004/10/nano_hype.html (accessed December 8, 2004).

- Lipper, Don. "Growing your next big industry: Nanotechnology." *State Net Capitol Journal*, November 29, 2004, Volume XII, No. 47; SNCJ SPOTLIGHT, 1458 words. <http://Lexis-Nexis.com> (accessed December 8, 2004).
- Lovy, Howard. "and...action." October 11, 2003. http://nanobot.blogspot.com/2003_10_05_nanobot_archive.html (accessed December 9, 2004).
- Miller, Sonia, "Hype or Hope? Investors, Executives Pay Attention as Nanotech Comes to Age," *New York Law Journal*, Volume 223, No. 108, June 7, 2005.
- Phibbs, Pat, "Nanotechnology: Specifics said needed to engage publics in discussions on development of policies," *Chemical Regulation Reporter*, June 5, 2006, P. 564.
- Stuart, Candace, "Ask the Experts: Risk put in Perspective," *Small Times*, July 28, 2005
- Swamp Fox. "USC Receives \$1.3 Million NSF grant to study ethics of nanoscience." <http://swampfox.dominohosting.biz/swampfox/velocity.nsf/0/2cce26473e818ef588256d9d00534b2c?OpenDocument> (accessed December 8, 2004).

GUEST EDITING

- "Erasure and Thinking Kritiks: A Debate," guest edited a forum for *International Journal of Forensics*, 2:2, Summer 2000, pp. 162-203.
- "The Future of Debating," Guest editor, *International Journal of Forensics*, 1:2, Spring, 1999, 131-173
- International Journal of Forensics*. From 1998 to 1999 served as associate editor.
- Contemporary Argumentation and Debate*. From 1994 to present serving as an associate editor.
- Journal of Southern Forensics*. From 1994 to 1998 served as associate editor.
- CEDA Yearbook*. From 1990 to 1991 served as an associate editor for articles in non-policy debating.
- StarMakers*. From 1984 to 1987 and 1989 to 1997 served as editor-in-chief and primary researcher for a triannual CEDA debate handbook, and wrote a topic analysis of the CEDA debate resolution for each issue.
- ISMS "2"*. In 1994 served as editor in chief and co-researcher for an evidence sourcebook on political systems and ideologies.
- Open Society Sourcebook*. In 1994 served as editor and publisher of evidence sourcebooks for the Open Society Fund of the Soros Foundation (a program to teach debating to 400,000 students and 12,000 teachers in 20 East European nations and former Soviet republics).
- The NEW Topicality Handbook*. In 1993 served as editor and primary researcher for an evidence sourcebook on definition and meaning.
- Lincoln-Douglas Subscription Series*. From 1990 to 1993 and 1995-1997 served as editor-in-chief and co-researcher for a quadrannual high school Lincoln-Douglas debate handbook and wrote a topic analysis and formal cases for each issue.
- Megalssues IV*. In 1993 served as editor-in-chief and primary researcher for a debate handbook covering domestic and international economics, medical and health care, and economic, political and military bloc formation, and wrote a topic analysis.

Topicality Handbook. In 1992 served as editor-in-chief for an evidence sourcebook written by Eric Krug and published by StarMakers.

JOURNALIST/REVIEWER (over 110 articles in print)

Ogden Standard Examiner, Ogden, Utah -- From 1983 to 1985 served as drama, dance, opera, music and art critic.

Burlington Free Press, Burlington, Vermont -- From 1988 to present served as drama, dance and music critic.

GRANT HISTORY (FUNDED, UNFUNDED, PENDING & UNDER PREPARATION)

NSF CHS Medium, Using Visualization to create public dialog about science. CoPI. \$954,895. Pending.

NSF REU SITE. CoPI. Collaborative Research: Nanoscale Detectives – Elucidating the structure and dynamics of molecular systems. \$179,987. Pending.

UNC System. GRIP. CoPI. "Water Sustainability through Nanotechnology: Nanoscale Science and Engineering at the Solid-Water Interface." \$500,000 over 3 years. Funded.

UNC System. GRIP. CoPI. "Societal and Infrastructural Responses to Increases in Extreme Precipitation (SIRIEP)." \$500,000 over 3 years. Unfunded.

NSF National Nanotechnology Coordinated Infrastructure - Coordinating Office (NNCI-CO). \$3,499,995 over 5 years. Unfunded.

NSF National Nanotechnology NSF NNCI Research Triangle Nanotechnology Network. CoPI. \$5,500,000 over 5 years. Funded.

NSF CHS Small, Improving Persuasive Visualization by Controlling Tension. CoPI. \$486,729. Unfunded.

NSF National Nanotechnology Coordinated Infrastructure – Coordinating Office. (NNCI-CO). CoPI. \$3,499,995. (Unfunded).

NSF, CCE-STEM, Comparing Cultures of Responsible Innovation across Bioengineering Communities. CoPI. Pending. \$487,718 over 2 years. Funded

NSF CyberSEES, Type 2: Visual Persuasion for Climate Change. CoPI. \$350,000 over 3 years. Unfunded.

GES, Research Fellow. \$20,000 – 1 year. Funded

NSA, Lab for Analytic Sciences, D03 (Missing Enabling) & D05 (Supply Side). Investigator. Total \$60,000,000 - \$150,000 awarded to investigator – 1.5 years. Funded.

Next Generation National Nanotechnology Infrastructure Network. (NSF 13-521) Social and Ethical Implications of Nanotechnology coordinator to fund initial research and host workshops and assessment conference, (\$742,000 over 5 years) Consortium will include Princeton as PI, Boston U., UCLA, UC Merced, Carnegie Mellon, U. Colorado, Colorado School of Mines, U. Florida, U Illinois UC, Johns Hopkins, U. Pennsylvania, North Carolina State U, Oregon State U., U. Maine, U. New Mexico, SUNY Albany, U. Texas Austin, Tuskegee, U Utah, and Washington U. St. Louis. (Unfunded).

NSF DRMS, Protection motivation, decision making and digital media formats: Synthetic

- biology. \$492,000 over 2 years, PI (Unfunded).
- NSF DRMS, Public Understanding of Nanotechnological Risks: Linking Attitude and Belief Functions to Risk Behavior Intention. \$450,000 over 2 years, PI (Unfunded).
- NIEHS, Superfund: Trichloroethylene: Health Effects and Novel Remediation Strategies. \$16,360,000 over five years (Unfunded). Translation and Communication Core Director.
- NSF DRMS, Messaging: The Future of Nanotechnology and Public Engagement. \$750,000 over 2 years, PI (Unfunded).
- NSF DRMS, Doctoral Dissertation Improvement Grant; Risk Message Fatigue. (NSF-SBE-DRMS). \$8,100 over 18 months (Unfunded).
- NIH R01 Effects of Social Environment on Health: Measurement, Methods and Mechanisms, RFA-DA-11-003, \$1,500,000 over 3 years, PI (Unfunded) to be resubmitted as an R03 or R21 in 2012 new subaward partners from the University of Kentucky.
- NSF RCN-SEES, VIA — Visualizing Individual Actions to Improve Community Sustainability. \$748,646 over 2 years (Unfunded but resubmitted).
- NSF SBE, Doctoral Dissertation Improvement Grant; Location Based Social Networks and Urban Spaces; Examining the Culture of Location. (NSF-SBE). \$10,000 over 18 months (Unfunded)
- NIEHS Superfund Hazardous Substance Research and Training Program (P42), ES09-012, \$15,000,000 over 5 years, Core Leader (Unfunded) to be resubmitted in 2012.
- NSF U19, Engineered Nanomaterials: Linking Physical and Chemical Properties to Biology (U19), ES09-011, \$400,000 over 2 years, Investigator (Unfunded).
- NSF STS, Emerging Technologies, Societal Implications, and Publics, OD09-003, \$470,000 over 2 years, PI (Unfunded).
- NSF STS, Environmental Public Health, Organizational Trust, and Public Communities, OD09-003, \$520,000 over 2 years, PI (Unfunded).
- NSF NUE, Nanotechnology Undergraduate Education – Nanotechnology and Society, NSF10-536, \$200,000 over 2 years, PI (Resubmitted and unfunded).
- NSF NUE, Nanotechnology Undergraduate Education – Nanotechnology and Society, NSF09-533, \$200,000 over 2 years, PI (Unfunded).
- NSF-NIRT-White Paper supplement to Nanotechnology Interdisciplinary Research Team – Intuitive Toxicology, NSF 06-595, \$25,000 over summer 2008, PI and researcher (Funded).
- NSF STS, Science and Society, Assessing the Narratives of Nanotechnology: From representation to “truth in advocacy,” \$300,000 over 2 years, CoPI and investigator (Unfunded).
- NSF STS, Decision making, Risk and Uncertainty, Risky Business: Risky decisions under uncertain conditions,” \$750,000 over 3 years, PI and investigator (Unfunded).
- CEIN: Center for Environment Implications of Nanotechnology,” NSF \$2.5 million over 5 years, U. South Carolina – Lead, Subaward PI and investigator (Unfunded).
- CEIN: Center for Environment Implications of Nanotechnology,” NSF \$800,000 over 5 years, Rice U. - Lead Subaward investigator (Unfunded).

- NSF NIRT, Nanotechnology Interdisciplinary Research Team – Intuitive Toxicology, NSF 06-595, \$1.4 million over 4 years, PI and researcher (Funded \$1.4 million over 4 years).
- NSF NUE, Nanotechnology Undergraduate Education – Nanoscience and Technology Advocacy Studies Cognate, NSF 05-543, \$200,000 over 2 years, PI (Funded).
- NSF NIRT, Revised Nanoscale Science and Engineering Center, Center for Nanotechnology in Society, NSF 04-043, \$13 million (\$1.35 million over five years, Copy. (Funded \$1.35 million over 5 years).
- Nanoscale Science and Engineering Center, Center for Nanotechnology in Society, NSF 04-043, \$13 million (\$2.6 million per year for five years with a five-year renewal), Responsible for the entire budget and primary contact for all collaborators, CoPI and researcher (Funded \$1.3 million).
- National Science Foundation as per – NSF 01-152, SOCIETAL DIMENSIONS OF ENGINEERING, SCIENCE AND TECHNOLOGY: Soliciting and Communicating Benchmark Data to Improve Research Agendas and Decision Making on the Societal and Ethical Implications of Nanotechnology (SEIN) as PI. \$274,608.61. (Unfunded).
- Research and Productive Scholarship Grant - Support to Establish the Center for American Nanotechnological Preparedness (CANP) at the University of South Carolina Category 1). \$8,500. (Unfunded).
- National Science Foundation as per NSF 03-519, NATIONAL NANOTECHNOLOGY INFRASTRUCTURE NETWORK: Social and Ethical Implications of Nanotechnology to fund initial research and host workshops and assessment conference, (\$250,000 over 5 years) as site manager, (pending). Consortium will include Arizona State, Clark Atlanta, U. California-Berkeley, U. California-Davis, Illinois-Chicago, Illinois-Urbana Champagne, MIT, Northwestern, Princeton, Purdue, Rensselaer Polytechnic, Rice, U. Tennessee, U. Virginia, and National Labs: CNRI and Oak Ridge (Unfunded).
- National Science Foundation as per – NSF 01-152, SOCIETAL DIMENSIONS OF ENGINEERING, SCIENCE AND TECHNOLOGY: Consensus Conferences for Enhancing Informed Public Participation in the Societal Implications of Nanotechnology Policy to host a consensus conference and quantitative polling research as CoPI, (Unfunded).
- National Science Foundation, NIRT -- Support to Establish a Center for the Philosophy and Ethics of Complexity and Scale, and fund initial research on Risk Perception and Risk Assessment of Nanotechnology, One of five CPIs, 2002-2006, \$2,000,000. (Funded \$1,350,000).
- Turner Communications, Nuclear Threat Initiative, Around the World Debates on Weapons, (\$300,000); World Debate Organization, March, 2002. (Unfunded).
- CLASS Grant – 5th Quadrennial International Argumentation Conference sponsored by the International Society for the Study of Argumentation, June 25-28, 2002 (Amsterdam), (Unfunded)
- National Science Foundation as per NSF 01-157, NIRT (Nanoscale Interdisciplinary Research Team): Support to Establish a Center for the Philosophy and Ethics of Complexity and Scale, and to fund initial research on Risk Perception and Risk Assessment of Nanotechnology, (\$2,000,000) as co-principal investigator,

- December 15, 2001 (Funded at \$175,000).
- Provost's Teaching Development Grant, International Debate Education Association & English Speaking Union, 10/10-19/01 (Funded \$1,000).
- Provost's Instruction Innovation Grant, "I.D.E.A. Conference 2001, October 11-14, 2001, Prague, Czech Republic and English Speaking Union tour, October 14-18, 2001, (Funded \$1,000).
- CLASS Grant, "Release time and support to complete *Actual Debating*," 99-00, \$8,301.95 (Unfunded).
- Provost's Instructional Innovation Grant, "I.D.E.A. Conference 2000, October 6-8 Budapest, Hungary," 99-00, \$1,000.00, (Unfunded).
- Research and Productive Scholarship, "U.S.C. Speech Communication/Rhetorical Studies Internet Resources Page(s)," 97-98, \$6,773.39, (Unfunded).
- BellSouth Instruction Innovation Grant, "Speech Communication/Rhetorical Studies Internet Resource Web Site," 97-98, \$4,156.66, (Unfunded).
- Provost's Instructional Innovation Grant, "Instructional CD-ROM," 97-98, \$2,550.00, (Unfunded).
- Provost's Teaching Development Grant, "Fourth International Conference on Argumentation, Amsterdam, Summer 1998," 97-98, \$1,000, (Unfunded).
- Medical Humanities Grant, "Communicating Risk in Public Health," 97-98, \$5,000 (\$3,000 grant with \$2,000 for release time), (Unfunded).
- Bell-South Instructional Innovation Grant, "Video Conferencing over the Internet: Applications for Intercollegiate Debating and...", 96-97, \$4,250.00, (Unfunded).
- Provost's Teaching Development Grant, "To Attend Speech Communication Association Convention to Develop Coursework in Legal Communication," 95-96, (Funded \$978.00,).
- Bell-South Instructional Innovation Grant, "Internet Based Contest Debating," 95-96, \$5,000.00, (Unfunded).
- Scana Corp. & South Carolina Power and Light, "Hosts for Third National Round Robin Debates," 93-94, (Funded \$2,000).

ACADEMIC REVIEWER/MANUSCRIPT EVALUATOR (books ONLY)

- Strada Publishing, State College, PA – In 2006 and 2008 as reviewer for an edited volume on ethics of nanoscience and another on risk communication.
- Wiley Interscience, John Wiley & Sons, Hoboken, NJ – In 2006 as reviewer for an edited volume of ethics of nanoscience.
- Bedford/St. Martin's Press, Boston, MA – From 2004 to present as reviewer for a textbook in film, published as THE FILM EXPERIENCE: AN INTRODUCTION.
- Wadsworth, Belmont, CA -- From 1997 to 1999, served as reviewer for a textbook in speech communication and debating, see Austin Freeley & David Steinberg, Argumentation and Debate, 10th edition, 2000.
- Houghton-Mifflin Co., Boston, MA -- From 1995 to 1997, served as reviewer for a textbook in speech communication and rhetorical studies, unpublished.
- Allyn & Bacon, Simon & Schuster Education Group, Needham Heights, Massachusetts -
- From 1989 to 1990, served as reviewer for two textbooks in speech communication and rhetorical studies, unpublished.

JOURNAL EDITING (paid)

Journal of Nanoparticle Research, Springer, 2013 to present; coordinating editor for social science submissions.

CONSULTING (abridged & paid [unless contraindicated as pro bono])

US Food and Drug Administration, SGE Consultant to RCAC (Risk Communication Advisory Committee, Silver Springs, MD, 2017 to 2021.

Center for Emerging Technologies, LLC, Manager, Raleigh, NC, 2008 to present.

Council of Advisors, The Gerson-Lehrman Group, NY, NY, 2006 to present.

Contributing Editor, Ketchum Communications, Washington, DC, 2006.

Communication Program Director, International Council on Nanotechnology, 2006-2007.

Political consultant on campaign rhetoric and presidential and vice-presidential debates during Fall 2000: SCPBS Carolina Minute, Andy Thomas Show, and WOLO.

Political consultant on campaign rhetoric and presidential and vice-presidential debates during Fall 1999: WIS-TV (twice), The Charlotte Observer, The Associated Press, CNN-Headlines News, and the Andy Thomas Show (1999-2000); (all pro bono as assigned by USC Media Relations).

Consultant for State Museum of South Carolina and co-directing instructional programs for volunteers for Star Trek Federation Science Exhibition, December, 1998 (Pro bono).

Political consultant and in print/on air spin for the following relating to the South Carolina gubernatorial elections during Fall 1998: St. Petersburg Times, The State, The Post Courier, The Lancaster News, WIS-TV (appeared), WOLO-TV (appeared), Carolina News-TV (appeared), WCAM/WPUB (appeared), and the Andy Thomas show (appeared three times); (all pro bono as assigned by USC Media Relations).

Political consultant on campaign rhetoric and presidential and vice-presidential debates during Fall 1996: WIS-TV, WSPA-TV, WIJY radio, The Greenville News, The St. Petersburg News, and The Charlotte Observer; (all pro bono as assigned by USC Media Relations).

Soros Foundation, Open Society fund – pro-bono consulting to bring debating to Eastern and Central European secondary schools, 19 countries, (1994-1996); (pro bono).

TEACHING INTERESTS (ALL taught previously—last five years ONLY)
(*graduate and doctoral levels only; **undergraduate only).

SCIENCE/TECHNOLOGY COMMUNICATION

Climate Change Communication*
Disaster Communication. *
Risk Communication. *
Communication and Social Change (= Persuasion)*
Rhetoric of Science and Technology.
Rhetoric of Technology.

DIGITAL MEDIA

Social Media Scholia. *
Issues in Communication, Rhetoric and Digital Media. *

TEACHING AWARDS (teaching less recently due to grant based releases).

North Carolina State University.

2013 Entman Research Award (departmental).
2016 Graduate Teaching Professor of the Year (departmental).

University of South Carolina

2003-2004 Bates West Professor of the Year
2002-2003 Mungo Award for Excellence in Undergraduate Teaching
Finalist
1997-1998 Russell Research Award Nominee
Mungo Award for Excellence in Undergraduate Teaching
Nominee
Ada Thompson Adviser of the Year Nominee
Golden Key Creative Teaching Award Nominee
Amoco Award Nominee
1996-1997 Mortar Board Award for Teaching
Golden Key Creative Teaching Award Nominee
Mungo Award for Excellence in Undergraduate Teaching
Nominee
Amoco Award Nominee
1995-1996 Golden Key Creative Teaching Award Nominee
Mungo Award for Excellence in Undergraduate Teaching
Nominee
Amoco teaching Award Nominee
Mungo Award for Excellence in Undergraduate Teaching Finalist

- 1993-1994 Amoco Teaching Award Finalist
Mortar Board Award for Teaching
Top Coach Award – Towson University
National Debate Coach of the Year
- 1992-1993 Amoco Teaching Award Finalist
Golden Key Creating Teaching Award Finalist
Mortar Board Award for Teaching
Top Coach Award – Towson University
- 1991-1992 Amoco Teaching Award Finalist
- 1990-1991 Amoco Teaching Award Finalist

DEPARTMENTAL, COLLEGE AND UNIVERSITY COMMITTEES

North Carolina State University

Multiple Search Committees.

Executive Committee, Dept of Communication, 2013 to 2015.

University Bookstore Committee, member, 2010 to 2012.

University Honorary Degree Committee, member, 2010 to 2012.

Search Committee for Open Hire in PCOST, chairperson, 2010.

Reappointment, Tenure and Promotion Document Revision, member and chairperson, 2009 to 2011.

Post Tenure Review Committee, member, 2009-present.

Faculty Evaluation Committee, member and chairperson, 2008-2010

University of South Carolina

Multiple Search Committees.

College of Arts & Sciences, Scholastic Responsibility Committee, 2005-2007.

Departmental Teaching Committee, 2003-2004 and 2005-2006.

Departmental Faculty Advisory Committee, 2004-2006.

University Value Center Management Advisory Committee 2003-2005.

University Budget Committee, member, 2001-2004, chair 2003-2004.

NPTE, Director of Development, 2005 to present.

University Faculty Curriculum and Courses Committee, member and acting chair, 1999-2000, chair 2000-2001.

Faculty Senate Steering Committee, acting member as acting chair of UCCC, 1999-2000, member, 2000-2001.

Search Committee for Assistant Professor in Speech, member, 2000-2001.

Faculty Senator, 1994-1996, 1999-2002, and 2004-2006.

NDT Committee for ADA Compliance, member, 1999-2001.

Associate Faculty, Preston Residential College, 1994-2005.

Departmental Travel Committee, member, 1997-1999.

Departmental Tenure and Promotion Committee, member, 1997 to present.

Search Committee for Assistant Professor in Speech, member, 1998-1999.

University Faculty Welfare Committee, member, 1997-1998.

Departmental Merit Pay Subcommittee, chair, 1996-1997.
 University Student Affairs Committee, member 1994-1995, chairperson, 1995-1996.
 Departmental Committee on Summer Repertory Theatre, member, 1995-1996.
 Departmental Library Representative, 1994-1996.
 Departmental Committee on Office Operations, member, 1994-1995.

MEMBERSHIPS AND AFFILIATIONS

RTNN - Executive Committee, Director of Assessment & SEIN 2015-present.
 AAAS - Member-At-Large - General Interest of Science & Engineering - AAAS 2016-2012; member 2007 to present.
 RCAC - US Food and Drug Administration, Risk Communication Advisory Committee, Silver Springs, MD, 2017 to 2021.
 Society for Risk Analysis, 2008 to present; chair risk communication division, 2010 to 2011; RTP division, former board member.
 Materials Research Society, 2008 to present.
 Society of Toxicologists, 2009 to present.
 American Chemical Society, 2007 to present.
 Lifeboat Foundation, Scientific Advisory Board, 2006 to present.
 ICON (International Council on Nanotechnology) Steering Committee, 2005 to present and Director of Communications, 2006 to 2007.
 NanoEthics Group, Advisory Committee, 2006 to present.
 USC NanoCenter, member, 2002 to 2007.
 USC NanoScience and Technology Studies, Assoc. Dir., 2002 to 2005, Research Director 2005 to 2007.
 USC Philosophy Department's Center for the Study of the Philosophical and Ethical Implications of Complexity and Scale, 2002 to 2004.
 Rhetorical Societal of America, 2001-2002 and 2005 to 2010.
 Southern States Communication Association, 1999 to 2000 and 2007 to present
 Carolinas Communication Association, 1997 to 1999.
 National CEDA Fundraising Director, 1997-2000.
 National Professionalism Committee, CEDA, Chair, 1996-1998 and 1999 to 2000.
 National Director, CEDA Program Development Project, 1994-1996.
 National Topic Selection Procedures Committee, Chair, 1991-1992.
 National CEDA Advisory Board, 1990-1991.
 National CEDA Publicist, 1990-1991.
 National CEDA Tournament Review Committee, 1989-1990.
 National CEDA Nominations and Special Awards Committee, 1987.
 National AFA Membership Committee, 1987.
 F.C.C. Radio operator, 1987 to present.
 American Forensic Association, 1986 to 2001.
 Blue-Ribbon CEDA Point Committee, Chair, 1986.
 National CEDA Program Development Committee, 1985.
 District IX representative to the National AFA-NIET Committee, 1985.
 National CEDA Tournament Evaluation Committee, chairman, 1985.
 Actor's Equity Association, 1978 to present.

The Author's League of America, 1978 to present.

The Dramatist's Guild, 1978 to present.

The Speech Communication Association/National Communication Association, 1977 to present.