

AMANDA C. GRAHAM

EDUCATION

PhD, University of Washington, Speech Communication, 2001

Area of emphasis: Philosophy and rhetoric of environmental studies. Dissertation: *A practical hermeneutic for civic environmental discourse: Re-reading polarization as tension in Columbia River salmon deliberations.*

MS, University of Washington, Forest Resources, 1996

Area of emphasis: Social sciences. Thesis: *Planning as public dialog: A social communication perspective on participatory processes.*

BA, Williams College, 1989

Highest honors. Area of emphasis: Social and environmental policy. Thesis: *A case for integrated waste management in northern Berkshire County.*

EXPERIENCE

Academic Director, Arthur L. Irving Institute for Energy and Society (IIES), Dartmouth College, 2018-present

Key member of core leadership team. Lead development of Institute's academic portfolio; implementation of Institute communications activities; and coordination of Institute operations and administration. Together with leadership team, create and oversee programs; engage with key constituencies on and off campus; develop and execute organizational vision and strategic plans; support fund-raising efforts; and help establish a creative, collaborative, high-impact culture within the Institute.

Executive Director, MIT Environmental Solutions Initiative (ESI), Massachusetts Institute of Technology, 2015-2018

In partnership with ESI faculty director, led program development and growth strategy for young cross-disciplinary research, education, and convening center focused on engaging MIT faculty and students in developing solutions to critical challenges in environment and sustainability. Led launch of microplastics pollution initiative. Managed unit finances, grant administration, personnel, and reporting. Oversaw event and communication activities. Co-wrote and stewarded grants and gifts.

Director of Education, MIT Energy Initiative, Massachusetts Institute of Technology, 2007-2015

Guided development, implementation, monitoring, evaluation of energy education programs for MIT undergraduate and graduate students. Managed major energy education gifts and stewardship. Coordinated and advised faculty/student committees. Hired and supervised staff and interns. Oversaw development and administration of the Energy Studies Minor, undergraduate energy research grant program, and networking activities for student groups and graduate fellowship societies. Advised national energy education initiatives, including US Department of Energy's "Energy Literacy" guidelines, NSF Clean Energy Education workshop

(2011), first National Energy Education Summit (2015), and national student competitions for Women in Clean Energy Symposium (DOE-MIT).

Education Program Manager, Laboratory for Energy and the Environment, Massachusetts Institute of Technology, 2001-2007

Developed and managed environment and sustainability education programs, including partnerships with the City of Cambridge and the international Alliance for Global Sustainability. Led collaborations with diverse staff, student, faculty, and community partners. Coordinated campus sustainability student research.

Social Science Analyst, United States Forest Service, Pacific Northwest Research Station, Seattle, WA, 1998-2000

Conducted research design, literature review, data collection, analysis and reporting for People and Natural Resources Program. Projects included study of scientist approaches to adaptive management in the implementation of the Clinton Northwest Forest Plan and facilitation of a community-based research and training initiative in rural southwestern Washington.

Editor (independent contractor), Randle Ranger District, Randle, WA, 1996

Provided editorial and production assistance for *Guide for the Cispus Adaptive Management Area*.

Recycling Coordinator, Center for Ecological Technology, Pittsfield, MA, 1989-94

Developed and implemented recycling and composting education programs for communities, businesses, schools and citizens throughout four western Massachusetts counties. Designed, led and evaluated educational workshops. Researched and developed wide range of educational materials. Wrote successful grant proposals. Supervised staff; recruited and supervised volunteers.

CURRICULUM
DEVELOPMENT
AND
INSTRUCTIONAL
EXPERIENCE

MIT: First-year student pre-orientation programs, project-based class, and advising seminars; for-credit IAP seminar on Cambridge climate protection plan; intensive international educational experiences (Switzerland and Japan); international “Going Global” workshops for leaders of sustainability in higher education (Barcelona, Spain and Cambridge, MA)

University of Washington: Critical Perspectives on Environmental Discourse; Introduction to Public Speaking; Interpersonal Communication

PUBLICATIONS

Implementing New Teaching Models at the Massachusetts Institute of Technology. (2013). With J. Steinfeld. Chapter 4 in K-M. Lee and J. Kauffman, Eds., **Handbook of Sustainable Engineering**, Springer.

Leveraging International Collaborations for Climate and Sustainability Education. (2010). With J. Steinfeld. Chapter 8, in R.A. Reck, Ed., **Climate Change & Sustainable Development**, Linton Atlantic, New York.

The use of feedback in lab energy conservation: Fume hoods at MIT. (2010). Wesolowski, D., E. Olivetti, A. Graham, S. Lanou, P. Cooper, J. Doughty, R. Wilk, and L. Glicksman. *International Journal of Sustainability in Higher Education* 11(3): 217-235.

Toward an Empirical Research Agenda for Sustainability in Higher Education: Exploring the Transition Management Framework. (2010). With J.C. Stephens. *Journal of Cleaner Production*, 18: 611-618.

Climate Science to Citizen Action: Energizing Nonformal Climate Science Education. (2008). With J. C. Stephens. “Forum” article in *Eos*, weekly publication of the American Geophysical Union.

Higher Education as a Change Agent for Sustainability in Different Cultures and Contexts. (2008). Stephens, J. C., M. E. Hernandez, M. Roman, A. C. Graham, R.W. Scholz. *International Journal of Sustainability in Higher Education* 9(3): 317-338.

A Social Communication Perspective Toward Public Participation: The Case of the Cispus Adaptive Management Area. (2004). Chapter 2 in S. Depoe, J. Delicath and M-F.A. Elsenbeer, Eds., **Communication and Public Participation in Environmental Decision Making**, State University of New York Press, Albany.

Research in adaptive management: Working relations and the research process. (2003). With L. Kruger. U.S. Forest Service Research Paper. PNW-RP-538. Portland, OR: U.S. Department of Agriculture, Forest Service, Pacific Northwest Research Station.

Learning to innovate, innovating to learn: A social and organizational assessment of the Adaptive Management Areas in the Northwest Forest Plan. (1997). With M.A. Shannon and A. R. Antypas. Report to the U.S. Forest Service and Bureau of Land Management, OR.

Collaborative learning and the Cispus AMA management strategy. (1995). Cispus AMA quarterly newsletter article. Gifford Pinchot National Forest, Randle, Washington.

Home composting made easy. (1991). Workbook for rural and urban residents. Center for Ecological Technology.

Berkshire recycles: A handbook for Berkshire County businesses on commercial recycling and waste reduction. (1990). Center for Ecological Technology.

CONFERENCE
PAPERS,
PRESENTATIONS,
POSTERS

“Infuse: Embedding energy content across the campus curriculum” (2019). Panel presentation at Energy Education Community of Practice launch session, National Council for Science and the Environment annual conference. Washington, DC. January 8.

“Energy, resilience, and culture: Education at the interface of physical and social systems” (2019). With J. Snodgrass. Poster at National Council for Science and the Environment annual conference. Washington, DC. January 8.

“Prioritizing co-curricular and curricular strategies to create sustainability literate graduates – and how to measure success” (2016). With M. StClair, K. Maynard, and M. Gulich. Panel presentation at Association for the Advancement of Sustainability in Higher Education national conference. Baltimore, MD. October 10.

“Bridges between sustainability, health, and wellness” (2016). With M. Kirkbride. Panel presentation at 3rd World Symposium on Sustainable Development at Universities. Cambridge, MA. September 15.

“Reflections on ecological literacy in the Anthropocene” (2015). Invited lecture for Huxley College of the Environment. Western Washington University, Bellingham, WA. May 21.

“Linking climate and energy literacy” (2015). With J. Stephens. National Council on Science and the Environment’s first National Energy Education Summit. Washington, D.C. January 26.

“Energy: Bringing the gorilla into environmental studies and sciences” (2014). Discussion symposium with D. Blockstein, J. Henderson, J. Perkins, J. Stephens, D. Duggan-Haas. Association for Environmental Studies and Sciences annual conference. New York, NY. June 12.

“Climate-energy linkages in literacy initiatives and public discourse” (2013). With J. Stephens. Garrison Institute’s 4th annual Climate, Mind, and Behavior symposium. Garrison, NY. June 12.

“Student engagement in campus/community collaboration for sustainability” (2013). Invited participant in “The Campus as a Learning Lab for Community Sustainability” panel at third

Massachusetts Sustainable Communities and second Massachusetts Sustainable Campuses conference. Worcester, MA. April 24.

“Individual action: What really makes a difference?” (2013). Panel moderator. MIT Sustainability Summit. Cambridge, MA. April 27.

“Multidisciplinary framework for energy education at MIT” (2011). V. Bulović, D. Lessard, A. Graham, A. Glasmeier. Invited poster presentation at National Academy of Engineering 2011 Frontiers of Engineering Education Symposium. Irvine, CA. November 14.

“Fostering environmental leadership for challenging times” (2009). Invited commentary at “Knowledge or experience: Educational challenges for environmental leaders in Asia,” kick-off workshop for Asian Program for Incubation of Environmental Leaders. Tokyo, Japan. March 7.

“Exploring Change Toward Sustainability in Universities by Adapting Transition Management” (2008). With J. C. Stephens. Plenary paper at the 5th Environmental Management for Sustainable Universities Conference. Barcelona, Spain. October 17.

“Forum for Sustainability Science Programs” (2008). Workshop at American Association for the Advancement of Science 2008 Annual Meeting. Member of steering committee. Boston, MA. February 14-18.

“Diverse Perspectives on Climate Change Education – Integrating Across Boundaries” (2008). Co-organizer for breakout panel session at National Council for Science and the Environment’s 8th National Conference on Science, Policy and Environment. Washington, D.C. January 17.

“Integrating Campus Sustainability and Education” (2007). With E. Olivetti, S. Lanou, P. Cooper, and B. Conlin. Paper presented at Greening the Campus VII. Ball State University, Muncie, IN. September 6.

“Partnering for Success: Campus Sustainability and MIT’s Campus Energy Initiative” (2007). With S. Lanou and J. Jay. Paper presented at 2nd Annual Smart and Sustainable Campus Conference, National Association of College and University Business Leaders. College Park, MD. April 19.

“Campus Sustainability Scholarship” (2005). Co-facilitated workshop at New England Campus Sustainability Consortium Annual Meeting. Harvard University, Cambridge, MA. October 28.

“Researching Trends in Environmental Curricula and Student Attitudes toward Environmental Courses at a Technical University” (2005). With B. Conlin. Paper presented at Greening the Campus VI. Ball State University, Muncie, IN. September 16.

“An Environment of Commitment: Integrating Environmental Performance and Academic Excellence at MIT” (2004). With W. VanSchalkwyk, J. I. Steinfeld and B. Conlin. Paper presented at Environmental Management for Sustainable Universities 2004. Monterrey, Mexico. June 9-11.

“YES! – Success in Truly Diverse Global Environmental Education” (2003). With B. Conlin. Paper presented at North American Association of Environmental Education Annual Meeting. Anchorage, AK. October 7-11.

“Reading *Conservation of Columbia Basin Fish: A Philosophical/Rhetorical Approach to Understanding the Federal Vision for Recovery of Pacific Salmon*” (2000). [Top paper panel](#), Environmental Communication Commission, National Communication Association (NCA) conference. Seattle, WA.

“Environmental Science Perspectives and Environmental Rhetoric: The Vibrant Role of Experience and Context” (2000). Presentation on “Creative Approaches to Teaching the Rhetoric of Science and Technology” panel, NCA conference. Seattle, WA.

“Practical Theory in Classroom Contexts” (2000). One of five conversation partners invited to respond to panel of five published scholars in a “Scholarship of Teaching and Learning” discussion session at the NCA conference. Seattle, WA.

“Can the Human-Nature Relationship be Dialogic? Martin Buber’s Philosophy of Dialog and ‘Ecological Responsiveness’” (1999). [Top paper](#), Communication Theory Division, Western Speech Communication Association (WSCA) conference. Denver, CO.

“Aldo Leopold’s ‘Land Ethic’ as a Call for Transdisciplinary Thought and Action: Early Response to Rhetorical Strategies in *A Sand County Almanac*” (1999). Rhetoric and Public Address Division, WSCA conference. Denver, CO.

“Greening the Discipline: Dialogic Theory and Practice” (1999). Position paper with J. Stewart. “Greening the Discipline” Pre-Conference, WSCA conference. Denver, CO.

“How to Conduct a Waste Audit” (1993). Massachusetts Executive Office of Environmental Affairs Pollution Prevention Workshops, Boston and Springfield, MA.

“Recycling Solutions for the Small Business: From the Corner Store to the Small Office Park” and “Keys to Successful Community Recycling” (1991). New England Resource Recovery Association Annual Conference, Springfield, MA.

SERVICE,
NETWORKS,
AWARDS

Member, annual awards review committee, New England Women in Energy and Environment (NEWIEE). 2018.

Member, MIT Infinite Mile Award Committee, Office of the Vice President for Research. 2018.

Member, international scientific committee, EESD 2018 (9th annual Engineering Education for Sustainable Development conference). 2017-18.

Member, advisory council, Association for the Advancement of Sustainability in Higher Education. 2017-18.

Co-chair, academic environment working group, MindHandHeart Initiative, MIT. **Member**, 2015-present; **co-chair**, 2016-2017.

Advisor, campus sustainability incubator fund, MIT. 2016-present.

Advisor, climate mitigation solutions contest, Climate CoLab, MIT. 2016.

Editor, parent newsletter, Oxbow Schoolhouse. 2015-2017.

Member, student leadership in sustainability working group, MIT. 2015-2016.

Reviewer, conference submissions, Association for the Advancement of Sustainability in Higher Education annual conference, “Transforming Sustainability Education.” 2015.

Mentor, Manager’s Mentoring Program, MIT. 2015.

Member, planning committee, first National Energy Education Summit, National Council on Science and the Environment. 2014-15.

Fellow, Disciplinary Association Network for Sustainability. 2014-present.

Member, selection committee, MIT Inspirational Teacher Award. 2012.

“**Infinite Mile**” **Award** for outstanding achievement, MIT. 2011.

Fellow, “Leader to Leader” leadership development program, MIT. 2008.

First-year student advisor, MIT. 2003-07.

Founding member, Board of Directors, Friends of Western Massachusetts Recycling. 1993-94.

Founding and ex-officio member, Alumni Council, Williams College-Mystic Seaport Program in Maritime Studies, Mystic, CT. 1991-present.

Member, Advisory Board, Solid Waste Resource Guide for Massachusetts Schools. 1989-90.

Environmental Studies Director's Prize, Williams College. 1989.

REFERENCES

Available upon request.
