

Curriculum Vita

Name: Christie Manning

Title: Visiting Assistant Professor

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Education

PhD	Cognitive and Biological Psychology	University of Minnesota	2000
B.Sc.	Engineering Psychology	Tufts University	1989

Academic Employment

Part-Time Appointments

2008 – Present	Environmental Studies	Macalester College	Visiting Assistant Professor
2009 – Present	Psychology	University of St. Thomas	J-Term Adjunct Professor
2007	Psychology	Augsburg College	Adjunct Professor
2005 – 2007	Psychology	University of St. Thomas	Adjunct Professor
2005 – 2007	Environmental Education	Hamline University	Summer Instructor

Scholarship and related professional contributions

2010 – Present **Macalester College, Saint Paul, MN**
Principal Investigator : The Psychological Distance of Climate Change

- Mentored teams of 2 – 4 students
- Conducted experimental and survey studies of perceived psychological distance to climate change
- Collected data online, on college campuses, at local street festivals, and at the Minnesota State Fair
- Presented results annually at psychological research conferences

2013 – 2015 **Great Lakes Integrated Sciences & Assessments,**
Co-Principal Investigator: Ready and Resilient Saint Paul

- Collaborated with Professor Roopali Phadke to procure grant funding for series of climate change adaptation neighborhood consensus conferences in Summer 2014. A second round of funding was awarded for Summer 2015.
- Supervised team of students in Summer 2013 to create a “Climate Adaptation Primer” for the city of Saint Paul
- Conducted “community climate change conversations” meetings in four diverse districts of Saint Paul in 2014, bringing together more than 60 residents to discuss local climate adaptation priorities
- Supported nine community-led neighborhood climate adaptation projects, reaching more than 200 Saint Paul residents

2005 – Present **Minnesota Pollution Control Agency, Saint Paul, MN**
Living Green Expo and Eco Experience Survey Researcher and Evaluator

- Designed Living Green Expo and Eco Experience assessment framework
- Conducted experimental and survey studies of sustainable behavior in social and organizational contexts

- Collected data at Living Green Expo, Rondo Days community festival, Minnesota State Fair, and other local street festivals
- Reported results and recommendations to Living Green and Eco Experience planning teams

2005 – 2014

Center for Global Environmental Education, Hamline University, Saint Paul, MN
Watershed Partners Public Environmental Education Consultant

- Provided Community-Based Social Marketing expertise
- Advised on public environmental education message design
- Conducted background research, literature review
- Co-instructed 2014 Environmental Education summer course

2010 – 2012

Wind Energy and Scenic Considerations Project, Saint Paul, MN
National Advisory Board Member, Researcher, and Evaluator

- Conducted survey study with 1,200 participants to investigate individuals' response to local wind energy development in western Michigan
- Co-supervised student research with Principal Investigator, Dr. R. Phadke
- Assisted in the planning, implementation, and evaluation of four participatory stakeholder workshops exploring local residents' response wind energy development

2009 – 2011

Eureka Recycling, Minneapolis, MN

- Designed and analyzed results from three separate survey tools investigating 1100 residents' energy-efficiency, composting, and food waste habits
- Mentored four student research assistants in data collection and analysis

2008 – 2010

Alliance for Sustainability, Minneapolis, MN

- Designed survey tools and collected data to evaluate the Minnesota Energy Challenge

2008 – 2009

Center for Energy and Environment, Minneapolis, MN

- Completed data collection to assess energy use at large Minnesota state agency
- Created recommendations to improve energy conservation messaging

2007 – 2010

Minnesota Pollution Control Agency, Saint Paul, MN
Environmental Assistance Grant Awardee

- Completed literature review of psychological studies of environmental issues
- Published handbook: "The Psychology of Sustainable Behavior: Tips to empower sustainability"
- Led public workshops on sustainability for environmental professionals

2005 – 2007

Northern Environmental Support Trust, Minneapolis, MN
Research Co-Grantee at the University of St. Thomas

- Designed studies to examine psychological predictors of individual sustainable behavior

2003 – 2004

Engineers for Social and Environmental Balance (SUMBi.de)
Scientific Research Intern, Hamburg, Germany

- Completed literature review of relevant German environmental psychology studies
- Authored and submitted research proposal to Volkswagen Foundation

Student Project Advising

2015, Fall

"Designing an Energy Monitor Display for Campus Residence Halls at Macalester College" (with student Ana Diaz)

2015, Summer

"Ready and Resilient in Saint Paul, Minnesota: Neighborhood grant projects" (with

- 2014, Fall faculty colleague Roopali Phadke and students Jared Sousa, Ivy Bardaglio, and Kira Liu)
 “The influence of social agent and social norms on the psychological distance of climate change” (with student Sophie Raynor)
- 2014, Summer “Ready and Resilient in Saint Paul: Bringing together diverse voices for community climate change conversations” (with faculty colleague Roopali Phadke and students Gabby Queenan, Samantha Burlager, Akilah Sanders-Reed, and Olivia Nelson)
- 2014, Summer “Psychological distance and the moral foundation of climate change action” (with student Rose Lefevre-Levy)
- 2014, Spring “Does empathy mitigate the psychological distance of climate change?” (with student Laura Humes)
- 2013, Summer “Creating a Climate Change Primer for the City of Saint Paul” (with faculty colleague Roopali Phadke and students Akilah Sanders-Reed and Samantha Burlager, Macalester College)
- 2013, Summer “Making climate change real: Experiential presentations of a changed climate future” (with Rowena Foo and Sophie Raynor, Macalester College)
- 2013, Summer “Evaluating Public Education Displays on Local Water Run-Off Issues – Capitol Region Watershed District” (with Lisa Hu and Amanda Wareham, Macalester College)
- 2013, Spring “The Effect of Perspective Taking, Group Size, and Social Agent on the Psychological Distance of Climate Change” (with Sophie Raynor, Macalester College)
- 2013, Spring “Making climate change real: Ameliorating the psychological distance of climate change through vivid, personal, and tangible stories” (with Maria Langholz, Macalester College)
- 2012, Fall “The role of problem format in male-female math achievement differences” (with Rachel Voit, Macalester College)
- 2012, Summer, Fall “The effect of temporal distance priming on global vs. local eye movements” (with Paul Rebman, Macalester College)
- 2012, Summer “Closer and Warmer: Implicit Attitudes toward Climate Change and Psychological Distance” (with Kelly Cargos, Macalester College)
- 2011, Summer “Waste(less): A Psychological Approach Toward Reducing Food Waste” (with Bridgette Kelly, McNair Scholar, University of St. Thomas)
- 2011, Summer “Can the Twin Cities Metro Area Feed Itself? An analysis of food production, storage, and transportation in a climate-changed future” (with Sarah Horowitz, Macalester College)
- 2011, Summer “Psychological Distance and Opposition to Local Wind Energy Development” (with Natalie Camplair, Macalester College)
- 2010, Fall “Transforming sustainable living behavior: Environmental Psychology” (with Joy Oneill, Prescott College)
- 2010, Summer, Fall “Developing a Scale to Measure the Psychological Distance of Climate Change” (with Vera Sidlova and Bryna Helle, Macalester College)
- 2010, Spring “Narrative nature stories to foster connectedness to nature in Kindergarten children” (with Davita Flowers-Shanklin, Macalester College)
- 2010, Fall “Gender priming and environmental concern” (with Ann Baltzer, Macalester College)
 (*For this project, Ann Baltzer was awarded the 2009 Undergraduate Research Award from the Society for Environmental, Population, and Conservation Psychology)

External Grants

- 2014 Great Lakes Integrated Sciences & Assessment Center, Ready and Resilient: Climate Preparedness in Saint Paul, Minnesota, \$50,000. Phadke, P. and Manning, C.M.
- 2014 Minnesota Pollution Control Agency, EcoExperience Research Grant, \$3,800. Manning, C.M. and Amel, E.L.
- 2013 Great Lakes Integrated Sciences & Assessment Center, Making it Personal: Diversity and Deliberation on Climate Adaptation, \$50,000. Phadke, P. and Manning, C.M.
- 2013 Minnesota Pollution Control Agency, EcoExperience Research Grant, \$3,800. Manning, C.M. Amel, E.L.,

and Scott, B.A.

- 2013** Capitol Region Watershed District, Watershed Public Education Research Grant, \$2,000. Manning, C.M.
- 2013** Minnesota Pollution Control Agency, EcoExperience Research Grant, \$2,800. Manning, C.M. Amel, E.L., and Scott, B.A.
- 2012** Minnesota Pollution Control Agency, EcoExperience Research Grant, \$2,800. Manning, C.M., Amel, E.L., and Scott, B.A.
- 2011** Minnesota Pollution Control Agency, EcoExperience Research Grant, \$2,800. Manning, C.M., Amel, E.L., and Scott, B.A.
- 2009** Minnesota Pollution Control Agency, Living Green Expo Research Grant, \$5,000. Manning, C.M., Amel, E.L., & Scott, B.A.
- 2007** Minnesota Pollution Control Agency State of Minnesota Environmental Assistance Grant Program, \$9,000. "Bringing About Voluntary Behavior Change." Manning, C.M.

Internal Grants

- 2015** Mellon Lifelong Learners Collaborative Summer Research Award, Macalester College, \$8,040. "Ready & Resilient: Climate Preparedness in Saint Paul, MN" (With faculty colleague Roopali Phadke and student Jared Sousa)
- 2015** Collaborative Summer Research Award, Macalester College \$8,040. "Ready & Resilient: Climate Preparedness in Saint Paul, MN" (With faculty colleague Roopali Phadke and student Ivy Bardaglio)
- 2014** Collaborative Summer Research Award, Macalester College, \$8,040. "Ready and Resilient in Saint Paul: Bringing together diverse voices for community climate change conversations" (With faculty colleague Roopali Phadke and students Gabby Queenan and Samantha Burlager)
- 2014** Educating Sustainability Ambassadors Student-Faculty Collaborative Research Award, Macalester College, \$5,000. "Psychological distance and the moral foundation of climate change action" (With student Rose Lefevre-Levy)
- 2013** Environmental Studies Student Research Award, Macalester College, \$8,040. "Creating a Climate Change Primer for the City of Saint Paul" (With faculty colleague Roopali Phadke and students Akilah Sanders-Reed and Samantha Burlager)
- 2013** Paul Anderson Interdisciplinary Summer Research Fund, Macalester College, \$5,000. "Making climate change real: Experiential presentations of a changed climate future" (With students Rowena Foo and Sophie Raynor)
- 2012** Environmental Studies Student Research Award, Macalester College, \$4,400. "Measuring the Psychological Distance of Climate Change Using Eye-Tracking and Implicit Measures" (With Paul Rebman and Kelly Cargos)
- 2011** Macalester College Student Faculty Summer Research award, Macalester College, \$4,400. "Psychological Distance and Opposition to Local Wind Energy Development" (With Dr. Roopali Phadke and Natalie Camplair)
- 2011** Mellon Curricular Pathways Student Faculty Summer Research award, Macalester College, \$4,400. "Can the Twin Cities Metro Area Feed Itself?" (With Sarah Horowitz)
- 2010** David Sielaff award for Student Faculty Summer Research, Macalester College, \$4,400. "Developing a Scale to Measure the Psychological Distance of Climate Change" (With Vera Sidlova)
- 2010** Mellon Three Rivers Faculty-Student Summer Research Grant, \$4,400. "Film depictions of Mississippi River environmental issues and their influence on psychological distance to the river" (With Kimberly Brown)
- 2007** University of St. Thomas Bush Foundation Program Grant, Fall 2007, \$3,000. "A redesign of General Psychology to be a theme-based inquiry course with a Conservation Psychology theme" (With Dr.

Awards and honors

- 2016** Climate Adaptation Award (awarded in the Institution Category, shared with research colleague Roopali Phadke), Climate Adaptation Partnership
- 2013** National Fellow, Environmental Leadership Program
- 2011** Macalester College, Macalester Sustainability Award for Curricular Innovation
- 2010** Social Psychology Network, Action Teaching Award Honorable Mention
- 1998** American Psychological Association Dissertation Award
- 1998** University of Minnesota Dissertation Fellowship
- 1997** Deutscher Akademischer Austauschdienst (DAAD) Stipendium
- 1995** Center for Cognitive Sciences, University of Minnesota Predoctoral 3-year Traineeship, National Science Foundation Graduate Program in Visual Perception and Motor Control

Academic Service

- Convention program co-chair for APA Convention 2016, Society for Environmental, Population and Conservation Psychology, Division 34 of the American Psychological Association, Denver, August, 2016
- Program co-chair for The Society for the Psychological Study of Social Issues (SPSSI) 2016 conference, Minneapolis, June 2016
- Convention program co-chair for APA Convention 2015, Society for Environmental, Population and Conservation Psychology, Division 34 of the American Psychological Association, Toronto, August, 2015
- Society Secretary, Society for Environmental, Population and Conservation Psychology, Division 34 of the American Psychological Association, July, 2009 – August, 2012
- National Advisory Board for National Science Foundation project “Deliberating the New Energy Economy”, 2010 – 2013
- Communication, Outreach, and Education Task Group member for the Minnesota Department of Health’s Drinking Water Contaminants of Emerging Concern Program, 2010 – present
- Editorial Board member, *Ecopsychology*, 2010 – present
- Board Member of the Twin Cities-based Forum of Women in the Environmental Field (now Women’s Environmental Network) 2005 – 2010
- Reviewer for *Environment, Development, and Sustainability*, *Journal of Environmental Psychology*, *Sustainability*, *Ecopsychology*, *Basic and Applied Social Psychology*

Community Service

- Member of the Saint Paul Climate Resiliency Framework Working Group, convened by Saint Paul Mayor Coleman and Mayor’s Office Director of Sustainability, Anne Hunt
- Advisory Board Member, Climate Generation: A Will Steger Legacy
- Speaker for Minnesota Cool Planet’s Bi-Monthly “Speak Up!” Climate Change Communication Training
- Numerous invited regional (MN, WI) presentations to colleges, non-profits, professional associations, state agencies, churches, and student groups on topics such as “Psychology of Sustainability”, “Cognitive Barriers to Action on Climate Change”, and “How to Communicate about Climate Change”,

Membership in Professional Organizations

- American Psychological Association
- Society for Environmental, Population, and Conservation Psychology
- Society for the Psychological Study of Social Issues
- Association for Environmental Studies and Sciences

Publications

* indicates the collaborator is a current or former Macalester student

Published Books

Scott, B.A., Amel, E.L., Koger, S.M. and Manning, C. (2016). *Psychology for Sustainability*. New York: Psychology Press.

Published Refereed Articles and Book Chapters

Phadke, R., Manning, C. and *Burlager, S. (2015). Making it Personal: Diversity and Deliberation in Climate Adaptation Planning. *Climate Risk Management* 9, 62-76.

Scott, B.A., Amel, E.L. and Manning, C. (2014). In and Of the Wilderness: Ecological Connection Through Participation in Nature. *Ecopsychology* 6(2), 81-91.

Clayton, S., Manning, C. M., & Hodge, C. (2014). Beyond storms & droughts: The psychological impacts of climate change. Washington, DC: American Psychological Association and ecoAmerica.

Manning, C. and Amel, E.L. (2014). No human left behind: Making a place for social and environmental justice within the field of Ecopsychology. *Ecopsychology* 6(1), 14-15.

Amel, E.L. and Manning, C.M. (2012). Exploring the Effectiveness of Ecological Principles as a Method for Integrating Environmental Content into Psychology Courses. *Ecopsychology*, 4(2), 127-136.

Manning, C.M., Amel, E.L., and Bock, T. (2012). Environmental Conservation and Introductory Psychology: A Natural Partnership. *Ecopsychology*. 4(2), 122-126.

Kiesling, F. and Manning, C.M. (2010). How green is your thumb? Environmental Gardening Identity and Ecological Gardening Practices. *Journal of Environmental Psychology*, 30(3), 315-327.

Manning, C.M., Amel, E.L., Scott, B.A., and Forsman, J.W. (2009). Framing climate change solutions: The importance of getting the numbers right. *International Journal of Climate Change Strategies and Management*, 1(4), 326-339.

Amel, E.L., Manning, C.M., and Scott, B.A. (2009). Mindfulness and Sustainable Behavior: Pondering Attention and Awareness as Means for Increasing Green Behavior. *Ecopsychology* 1(1), 14 - 25.

Wells, C., Savanick, S., and Manning, C.M. (2009) Using a class to conduct a carbon inventory: A case study with practical results at Macalester College. *International Journal of Sustainability in Higher Education* 10(3), 228-238.

Savanick, S., Strong, R., and Manning, C.M. (2008) Explicitly linking pedagogy and facilities to campus sustainability: Lessons from Carleton College and the University of Minnesota. *Environmental Education Research* 14(6), 667.

Amel, E.L. & Manning, C.M. (2008). The Mechanics of Human Behavior. In Jedlicka, W. (Ed.) Packaging Sustainability: Tools, Systems and Strategies for Innovative Package Design. New York: Wiley.

Public Scholarship

Phadke, R., Manning, C. and *Burlager, S. (2014). *Making it Personal: Diversity and Deliberation in Climate*

Adaptation Planning. Whitepaper for the Great Lakes Integrated Sciences and Assessments Center.

Phadke, R., Manning, C.M., *Buchanan, A., *DeJong, E., and *Camplair, N. (2011) *Michigan Wind Energy Landscape Symposium: Workshop Report*. Available at www.macalester.edu/understandingwind

Manning, C.M. Phadke, R., *Camplair, N., *DeJong, E., and *Buchanan, A. (2011) *Report of Results from a Community Survey*. Available at www.macalester.edu/understandingwind

Manning, C.M. (2010). *The Psychology of Sustainable Behavior: Tips to empower sustainability*. Research Report from the Minnesota Pollution Control Agency. Available at <http://www.pca.state.mn.us/oea/ee/psychology.cfm>

Phadke, R., Manning, C.M., *Diebolt, A., and *Kazinka, M. (2009). *Wind Energy and Scenic Considerations in Wyoming*. Proceedings from a June 2009 Workshop. Available at <http://www.macalester.edu/windvisual/workshops/workshopsmain.html>

Manning, C.M. and Amel, E.L. (2009) How to Make Sustainable Behavior Stick. In: *2009 Annual Do It Green Magazine*, www.doitgreen.org

PRESENTATIONS

Invited Presentations and Seminars (2014 – 2016)

“Psychology of Sustainable Behavior”, Invited Presentation for the Center for Global Environmental Education, Saint Paul, MN, July 2015

“Barriers to Individual Climate Adaptation Actions”, National Adaptation Forum, Saint Louis, MO, May 2015

“The Psychology of Sustainable Behavior: Encouraging voluntary behavior change”, Invited presentation to the Dakota County Master Recyclers, Saint Paul, MN, April 2015

“Promoting sustainability (and climate change adaptation): A psychological perspective”, Invited presentation for the Minnesota Greencorps March Training, Spring Lake Park, MN, March 2015

“Making issues of sustainability salient to diverse audiences”, Invited presentation for the *Environmental Ethics* course at the University of Minnesota, Minneapolis, MN, March 2015

“Individual Actions for Climate Adaptation”, Invited presentation for the Building Minnesota’s Capacity for Climate Adaptation conference, Minneapolis, MN, November, 2014

“Psychology of Sustainable Behavior, a workshop”, Invited presentation for the Local Resilience Conference at Antioch University New England, Manchester, NH, May, 2014

Conference Presentations (Selected)

*Daly, E. and Manning, C.M. (2016, February). Cyclelogical Approaches to Active Transportation. Presentation at the Winter Cycling Congress, Minneapolis, MN

Manning, C.M., Phadke, R. and *Burlager, S. (2015, August) Barriers to Participation in Climate Adaptation Planning. Paper presentation at the 120th Annual Convention of the American Psychological Association, Toronto, Canada

Amel, E.L., Manning, C.M., & Scott, B.A. (2013, September). Goal setting in context: The impact of psychological distance on the appeal of goals. Paper for the 10th Biennial Conference on Environmental Psychology, Magdeburg, Germany.

Amel, E.L., & Manning, C.M. (2013, August). Goal setting and psychological distance: An inconvenient truth? Symposium for the 118th Annual Convention of the American Psychological Association, Honolulu,

Hawaii

- Michalak, N., Korcak, O., Amel, E.L., Manning, C.M., & Scott, B.A. (2013, May). How perceived behavioral control influences donations of time & money to the problem of global climate change. Poster for the Association for Psychological Science, Washington, DC.
- * Voit, R., Manning, C. & Varma, S. (2013, April). Questioning the Gender Gap in Mathematics: Testing the Test. Poster presented at the 2013 Psychology of Mathematics Education North American Chapter, Chicago, Illinois.
- Manning, C.M., *Cargos, K., & *Rebman, P. (2013, August). The Implicit Psychological Distance of Climate Change. Paper presentation at the 118th Annual Convention of the American Psychological Association, Honolulu, HI
- *Kelly, B., Manning, C.M. & Amel, E.L. (2012, June). Conservation psychology in Germany. Paper for the Association for Environmental Studies and Sciences, Santa Clara, CA. Selected for Best Student Paper.
- Amel, E.L., Manning, C.M., Forsman, J.W., & Scott, B.A. (2011, April). *Goal specificity, goal difficulty and perceived need to develop skills in the context of environmental sustainability*. Symposium for Society for Human Ecology, Las Vegas, NV.
- Lyons, R.E., Amel, E.L., Manning, C.M., & Scott, B.A. (2011, April). *To fly or not to fly: using the theory of planned behavior to understand personal travel*. Symposium for Society for Human Ecology, Las Vegas, NV.
- Manning, C.M., *Sidlova, V., Amel, E.L., Brown, K., *Helle, B., and Scott, B.A. (2011, April). Save the loons! Paper presentation at the Society for Human Ecology conference, Las Vegas, Nevada.
- Scott, B.A., Manning, C.M., & Amel, E.L. (2011, April). *Why I'm a concerned citizen, but not an environmental activist*. Symposium for Society for Human Ecology, Las Vegas, NV.
- Amel, E.L., Manning, C.M., Forsman, J.W., & Scott, B.A. (2010, April). *Goal specificity and goal acceptance in the context of environmental sustainability*. In Sanders, A.M., & Huffman, A.H. (Chairs). Earth and I/O: Implications for a Sustainable Workforce. Symposium for the annual meeting of the Society for Industrial and Organizational Psychology, Atlanta, GA.
- Amel, E.L., Manning, C.M., Forsman, J.W., & Scott, B.A. (2010, April). *Seeing the world through green-colored glasses? Openness to experience and organization-wide Environmental sustainability efforts*. In DuBois, C.L.Z. (Chair), Environmental Sustainability: Exploring the Dimensions and Prediction of Green Behavior. Symposium for the annual meeting of the Society for Industrial and Organizational Psychology, Atlanta, GA.
- Forsman, J.W., Amel, E.L., Manning, C.M., & Scott, B.A. (2010, April). *Applying the transtheoretical model of change to sustainable work behaviors*. In Sanders, A.M., & Huffman, A.H. (Chairs), *Earth and I/O: Implications for a Sustainable Workforce*. Symposium for the annual meeting of the Society for Industrial and Organizational Psychology, Atlanta, GA.
- Manning, C.M., Amel, E.L., Scott, B.A., & Forsman, J.W. (2010, August). Beware of the smelly environmentalists! How the Environmentalist label influences attitudes. Paper presentation at the 118th Annual Convention of the American Psychological Association, San Diego, CA.
- Amel, E.L., Manning, C.M., & Scott, B.A. (2009, August). *Goal setting feedback and environmental sustainability: The importance of making invisible information visible*. In DuBois, D.A. (Chair), *Social Design for Sustainability: Exploring the Design Characteristics of the Organizational Ecology*. Symposium for the annual meeting of the Academy of Management, Chicago, IL.

Manning, C.M., Amel, E.L., Scott, B.A., *Tahnint, J., *Balzer, A., *Cupara, T., & Condon, E. (2008, November). Skewed perceptions of effectiveness: recycling to stop global warming. Poster presentation at the 2nd Annual Behavior, Energy and Climate Change Conference, Sacramento, CA.