

Shannon Lea Watkins

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EDUCATION

Doctorate of Philosophy, Public Affairs

Expected June, 2015

School of Public and Environmental Affairs (SPEA), Indiana University, Bloomington IN
Dissertation Title: *Trees, Communities, and Equity: Nonprofit Tree Planting and the Coproduction of Urban Forests*
Committee: Burnell C. Fischer (Chair), Matthew Baggetta, Kenneth Richards, Kosali Simon
Major Fields: Environmental Policy, Policy Analysis
Minor Field: Geography

Bachelor of Philosophy

2009

University Honors College, University of Pittsburgh, Pittsburgh PA
Majors: Political Science (with honors), History, *summa cum laude*
Thesis Title: *Public Goods vs. Private Rights: Analyzing Government Inefficiencies in Environmental Protection*
Available at: <http://d-scholarship.pitt.edu/8866/>
Committee: Jennifer N. Victor (Chair), Steven Bilakovics, Mark Collins, William Lowry
Phi Beta Kappa (Liberal Arts Honor Society)

RESEARCH INTERESTS

Environmental policy; public policy effectiveness; environmental equity and justice; urban environmental policy; the role of residents in urban social ecological systems

PUBLICATIONS

Farmer, J. R., G. Epstein, **S.L. Watkins**, & S.K. Mincey, (2014). Organic farming in West Virginia: A behavioral approach. *Journal of Agriculture, Food Systems, and Community Development*.
<http://dx.doi.org/10.5304/jafscd.2014.044.007> 155-171.

Vogt J.M., **S.L. Watkins**, S.K. Mincey, M. Patterson, & B.C. Fischer. (*In review*). Explaining planted-tree survival and growth in urban neighborhoods using a social-ecological systems perspective: A study of recently-planted trees in Indianapolis. *Resubmitted to Landscape and Urban Planning*.

Ringquist, E., **S.L. Watkins**, E. Baldwin, & O. Saulters. (*In review*). Environmental equity and management at the facility level. *Under review at Public Administration Review*.

WORKS IN PROGRESS

Watkins, S.L., S.K. Mincey, J.M. Vogt & S. Sweeney. The distributional results of current land-use decisions: might nonprofit street tree plantings reduce disparity in urban canopy cover?

Watkins, S.L., J.M. Vogt, S.K. Mincey, B.C. Fischer, R.A. Bergmann, S.E. Widney, L. Westphal & S. Sweeney. Examining the relationship between collective action and collective efficacy of neighborhood residents: Do nonprofit street-tree plantings improve participating neighborhoods?

Vogt, J.M., **S.L. Watkins,** S.K. Mincey, B.C. Fischer, R.A. Bergmann, S.E. Widney, L. Westphal & S. Sweeney. Young tree survival in social-ecological systems: Results of a 5-city study.

Watkins, S.L., J.M. Vogt, S.K. Mincey & B.C. Fischer. The Public Good Nature of the Urban Forest and Implications for Management

Watkins, S.L. Report from the field: Evaluating the contribution of incentives and a web questionnaire on mail-survey response rate.

Watkins S.L., S.K. Mincey, J.M. Vogt, R.A. Bergmann & B.C. Fischer. A research design for evaluating the outcomes of neighborhood and nonprofit urban forestry.

CONFERENCE PRESENTATIONS *(bolded when presenter or co-presenter)*

Watkins, S.L., S.K. Mincey, J.M. Vogt, S.E. Widney, B.C. Fischer, R.A. Bergmann, L. Westphal & S. Sweeney. (2015). The distributional results of current land use decisions: might nonprofit street tree plantings reduce disparity in urban canopy cover? To be delivered at the Association of American Geographers Annual Meeting, April 21-25, Chicago IL. (Oral presentation.)

Vogt, J.M., S.E. Widney, S.L. Watkins, S.K. Mincey, B.C. Fischer, R.A. Bergmann, S. Sweeney & L. Westphal. (2015). Tree survival in social-ecological systems: results of a 5-city study. To be delivered at the Association of American Geographers Annual Meeting, April 21-25, Chicago IL. (Oral presentation.)

Watkins, S.L., J.M. Vogt, S.K. Mincey, B.C. Fischer, R.A. Bergmann, S.E. Widney, L. Westphal & S. Sweeney. (2014). Examining the relationship between collective action and collective efficacy of neighborhood residents: Do neighborhood street-tree plantings yield social benefits? To be delivered at the Association for Public Policy Analysis and Management Annual Conference, November 6-8, Albuquerque NM. (Oral presentation.)

Watkins, S.L., J.M. Vogt, S.K. Mincey, B.C. Fischer, R.A. Bergmann, S.E. Widney, L. Westphal & S. Sweeney. (2014). Does participation in non-profit urban tree-planting programs improve neighborhoods? Examining the impact of collective action on neighborhood residents. Delivered at the International Union of Forest Resource Organizations World Conference, October 5-11, Salt Lake City UT. (Poster presentation.)

Watkins, S.L., J.M. Vogt, S.K. Mincey, B.C. Fischer, R.A. Bergmann, S.E. Widney, L. Westphal & S. Sweeney. (2014). Examining the relationship between collective action and collective efficacy of neighborhood residents: Do neighborhood street-tree plantings yield social benefits? Delivered at the International Society of Arboriculture (ISA) 90th Annual Conference and Trade Show, August 2-6, Milwaukee WI. (Oral presentation.)

- Vogt, J.M., S.L. Watkins, S.K. Mincey, M.S. Patterson, & B.C. Fischer. (2014). Explaining planted-tree survival and growth in urban neighborhoods using a social-ecological systems perspective: A study of recently-planted trees in Indianapolis (United States). Delivered at the International Society of Arboriculture (ISA) 90th Annual Conference and Trade Show, August 2-6, Milwaukee WI. (Presentation and conference proceedings.)
- Bergmann R.A., S.L. Watkins, J.M. Vogt, S.K. Mincey & B.C. Fischer. (2014). Tree survival in urban neighborhoods: Examining the role of community knowledge. Delivered at the International Society of Arboriculture (ISA) 90th Annual Conference and Trade Show, August 2-6, Milwaukee WI. (Oral Presentation.)
- S.L. Watkins.** (2013). Lessons Learned from Pilot Study of Communities to Examine Effects of Urban Tree Planting Programs. Delivered at the Center For Survey Research Design Monthly Lunch 'n Learn, October 23, Bloomington IN. (Oral Presentation.)
- Coleoni, C. M., L.A. Bradford, & S.L. Watkins. (2013). Analysis of the Urban Forest Condition in Bloomington, Indiana, and a Protocol to Update Bloomington's Street Tree Inventory of 2007. Delivered at the International Society of Arboriculture (ISA) 89th Annual International Conference & Trade Show, August 3-7, Toronto ON. (Poster presentation.)
- Watkins S.L.,** S.K. Mincey, J.M. Vogt, R.A. Bergmann & B.C. Fischer. (2013). A research design for evaluating the outcomes of neighborhood and nonprofit urban forestry. Workshop Colloquia presentation at The Vincent and Elinor Ostrom Workshop in Political Theory and Policy Analysis, April 17, Bloomington IN. (Oral presentation and working paper.)
- Vogt J.M. & **S.L. Watkins.** (2013). Modeling urban tree growth and survival as social-ecological systems. Association of SPEA PhD Students Annual Conference, March 29, Bloomington IN. (Oral presentation and conference paper.)
- Ringquist, E. J., E. Baldwin, O. Saulters & **S. L. Watkins.** (2012). Environmental Equity and Management at the Facility Level. Delivered at the APPAM Annual Research Conference, November 8-10, Baltimore MD. (Oral presentation.)

COMPETITIVE FUNDING

- U.S. Forest Service, National Urban and Community Forestry Advisory Council** 2012-2015
\$173,206 awarded (plus \$188,365 provided in matching funds)
P.I.: Burnell C. Fischer
Collaborators: Jessica M. Vogt, Sarah K. Mincey, **Shannon Lea Watkins**
Project Partners: Alliance for Community Trees (College Park, MD); Keep Indianapolis Beautiful, Inc. (Indianapolis, IN); Pennsylvania Horticultural Society (Philadelphia, PA); Trees Atlanta (Atlanta, GA); Greening of Detroit (Detroit, MI); Forest ReLeaf of Missouri (St. Louis, MO)
Proposal Title: *"Trees and People" – A Two-Way Street: A Research Program to Assess the Direct and Indirect Effects of Urban Tree Planting Programs in the Face of Climate Change.*
Granted to begin a holistic evaluation of urban tree planting programs in 5 cities across the United States
- U.S. Forest Service, Northwest Research Station** 2013-2018
\$35,000
P.I.s: Burnell C. Fischer, Lynn Westphal
Collaborators: Jessica M. Vogt, Sarah K. Mincey, **Shannon Lea Watkins**, Rachael Bergmann
Proposal Title: *Evaluating the impacts for neighborhoods from nonprofit urban forestry*
Granted to expand household surveying capacity of the "Trees and People" program
- Indiana View Consortium Internal Grant Program** 2014
\$2,933 awarded (plus \$1,000 provided in matching funds)
P.I.: Burnell C. Fischer
Collaborators: Richard Thureau, **Shannon Lea Watkins** (project manager)
Proposal Title: *Indiana University Land Cover Change Assessment*
Granted to measure and evaluate canopy cover change on Indiana University's campus and surrounding neighborhoods
- Arboricultural Research and Education Academy (AREA)** 2014
\$500
Travel Grant
Granted to attend and present at the 2014 Annual Meeting of the International Society of Arboriculture, Milwaukee WI
- School of Public and Environmental Affairs (SPEA)** 2010-2014
Tuition and annual stipend of \$16,000 for four years.
- United States Steel Foundation** 2009
\$3,000
P.I.: **Shannon Lea Watkins**
Proposal Title: *Public Goods vs. Private Rights: Analyzing Government Inefficiencies in Environmental Protection*
Granted to investigate the implications of the Supreme Court's standing doctrine for claims under the Endangered Species Act.

RESEARCH EXPERIENCE

- Research Assistant** 2012-present
School of Public and Environmental Affairs, Indiana University
The Vincent and Elinor Ostrom Workshop in Political Theory and Policy Analysis
for Burnell C. Fischer
"Trees and People" – A Two-Way Street: A Research Program to Assess the Direct and Indirect Effects of Urban Tree Planting Programs in the Face of Climate Change.
Resident social scientist on interdisciplinary research team
Led design and administration of survey to 13,500 residents in five cities in the U.S.
Hired and supervised 5 research assistants in data-entry of survey responses
Established and enforce workflow on shared server
Co-supervise 2 graduate student research assistants
Conduct analysis, write articles, and present results
- Project Manager** 2014-present
Bloomington Urban Forestry Research Group, Indiana University
Indiana University Land Cover Change Assessment
Co-authored grant proposal
Hired and supervised 2 undergraduate GIS technicians
Co-author final report
Work with financial manager on budget items
- Research Assistant** 2012
School of Public and Environmental Affairs, Indiana University
for Evan J. Ringquist
Identified and evaluated potential sources of data on state-level environmental commitment indicators
- Research Assistant** 2010-2011
School of Public and Environmental Affairs, Indiana University
for Jennifer Brass
"Distributed Generation Projects in the Developing World"
Helped develop research agenda for interdisciplinary research project
Conducted review of published evaluations of distributed generation projects in the developing world
Identified themes and potential research questions
- Brackenridge Summer Research Fellow** 2009
Honors College, University of Pittsburgh
- Interpretive Intern** 2008
Student Conservation Association, Washington State Parks and Recreation Commission

TEACHING EXPERIENCE

- Associate Instructor** (*full teaching responsibilities*) 2011-2014
School of Public and Environmental Affairs, Indiana University
E162: Environment and People
Designed syllabi for introductory course
Supervised one graduate teaching assistant (Fall '11, Spring '12)
Supervised one undergraduate teaching assistant (Fall '11)
- Teaching Assistant** 2014
School of Public and Environmental Affairs, Indiana University
V507: Data Analysis and Modeling for Public Affairs (online) (Rubin)
Assisted instructor in revising 8-week syllabus to 6-week syllabus
Prepared and graded homework assignments
Prepared and graded final assessment and graded exams
Conducted weekly office hours and weekly tutorials online using Adobe Connect
- Guest Lecturer** 2014
Jacobs School of Music, Indiana University
Z390: Jazz for the Listener (McKay)
- English Teacher** 2009-2010
Hess Educational Organization, Taichung, Taiwan
- Chancellor's Undergraduate Teaching Fellow** 2008-2009
University Honors College and the Department of Political Science, University of Pittsburgh
for Steven Bilakovics
- Teaching Research Assistant** 2007
Department of History, University of Pittsburgh
for Maurine Greenwald

TEACHING INTERESTS

Theory & Methods: Research Design, Policy Analysis, Program Evaluation, Statistics and Econometrics, Mixed Methods and Survey Research

Special Topics: Environmental Policy, U.S. Environmental Policy, Sustainability, Social Ecological Systems

SERVICE

Fundraising and Invitations, Association of SPEA PhD Students Conference Committee	2014
Awards Panel Chair, Association of SPEA PhD Students Conference Committee	2011-2013
Referee Service for <i>the Journal of Policy Analysis and Management</i>	2013
Member, Workshop in Methods Graduate Student Advisory Board	2014-present
Member, Teaching and Learning Faculty Group, SPEA	2013-present
Member, E162 Environment and People Faculty Learning Community	2013-present
Instructor & Event Organizer, Indiana University Swing Dance Club	2012-present

REFERENCES

Dr. Burnell C. Fischer

Clinical Professor, School of Public and Environmental Affairs & Former Director of the Vincent and Elinor Ostrom Workshop in Political Theory and Policy Analysis, Indiana University
e-mail: bufische@indiana.edu; phone: (812) 855-0441

Dr. Matthew Baggetta

Assistant Professor, School of Public and Environmental Affairs, Indiana University
e-mail: baggettm@indiana.edu; phone: (812) 855-2783

Dr. Ken Richards

Professor, School of Public and Environmental Affairs, Indiana University
e-mail: kenricha@indiana.edu; phone: (812) 855-5971

Dr. Kosali Simon

Professor, School of Public and Environmental Affairs, Indiana University
e-mail: simonkos@indiana.edu; phone: (812) 856-3850