

# Roger H. von Haefen

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<b>Education</b>	<p><b>Duke University</b>, Durham, NC <i>M.A., Economics, May 1995</i> <i>Ph.D., Economics, October 1999</i></p> <p><b>University of Notre Dame</b>, Notre Dame, IN <i>B.A., Economics, May 1992</i> <i>Magna Cum Laude, Phi Beta Kappa</i></p>
<b>Areas of Concentration</b>	Environmental & Resource Economics, Applied Econometrics, Economic Measurement, Transportation
<b>Positions Held</b>	<p><b>Co-Editor-In-Chief</b>, <i>Journal of Environmental Economics and Management</i> <i>January 2016 – Present</i></p> <p><b>Co-Editor</b>, <i>Journal of Environmental Economics and Management</i> <i>January 2014 – December 2015</i></p> <p><b>Assistant Director</b>, Center for Environmental and Resource Economic Policy <i>North Carolina State University, Raleigh, NC, August 2013 – Present</i></p> <p><b>Associate Professor</b>, Department of Agricultural &amp; Resource Economics <i>North Carolina State University, Raleigh, NC, July 2009 – Present</i></p> <p><b>Faculty Research Fellow</b>, Energy and Environmental Economics Group <i>National Bureau of Economic Research, Boston, MA, April 2010 – November 2014</i></p> <p><b>Associate Director</b>, Center for Environmental and Resource Economic Policy <i>North Carolina State University, Raleigh, NC, June 2006 – August 2013</i></p> <p><b>Assistant Professor</b>, Department of Agricultural &amp; Resource Economics <i>North Carolina State University, Raleigh, NC, July 2005 – June 2009</i></p> <p><b>Assistant Professor</b>, Department of Agricultural &amp; Resource Economics <i>University of Arizona, Tucson, AZ, October 2002 – June 2005</i></p> <p><b>Visiting Scholar</b>, Department of Economics &amp; Center for Environmental Science &amp; Policy <i>Stanford University, Stanford, CA, January 2004 – December 2004</i></p> <p><b>Research Economist</b>, Division of Price &amp; Index Number Research <i>Bureau of Labor Statistics, Washington, DC, October 1999 – October 2002</i></p> <p><b>Research Associate</b>, Center for Environmental &amp; Resource Economics <i>Duke University, Durham, NC, May 1995 – August 1999</i></p>
<b>Refereed Publications</b>	<p>Wichman, Casey, Laura Taylor &amp; Roger H. von Haefen. “Conservation Policies: Who Responds to Price and Who Responds to Prescription?” <i>Journal of Environmental Economics and Management</i>, 79:114-134, September 2016. *** <i>NBER Working Paper #20466, cited in the Washington Post (9/24/14)</i></p> <p>Van Houtven, George, Carol Mansfield, Daniel Phaneuf, Roger H. von Haefen, Bryan Milstead, Melissa Kenney and Kenneth Reckhow. “Combining Expert Elicitation and Stated Preference Methods to Value Ecosystem Services from Improved Water Quality,” <i>Ecological Economics</i>, 99: 40-52, March 2014.</p>

**Refereed  
Publications  
(cont.)**

von Haefen, Roger H. "Incomplete Demand Systems, Corner Solutions, and Welfare Measurement," *Agricultural and Resource Economics Review (W2133 Special Issue)*, 39(1): 22-36, February 2010.

\*\*\* 2011 Northeastern Agricultural and Resource Economics Association Most Outstanding Journal Article Award Winner \*\*\*

Li, Shanjun, Christopher Timmins & Roger H. von Haefen. "How Do Gasoline Prices Affect Fleet Fuel Economy?" *American Economic Journal: Economic Policy*, 1(2): 113-137, August 2009.

Bento, Antonio M., Lawrence H. Goulder, Mark R. Jacobsen & Roger H. von Haefen. "Distributional and Efficiency Impacts of Increased U.S. Gasoline Taxes," *American Economic Review*, 99(3): 667-699, June 2009.

von Haefen, Roger H. "Latent Consideration Sets and Continuous Demand System Models," *Environmental and Resource Economics*, 41(3): 363-379, November 2008.

von Haefen, Roger H. & Daniel J. Phaneuf. "Identifying Demand Parameters in the Presence of Unobservables: A Combined Revealed and Stated Preference Approach," *Journal of Environmental Economics and Management*, 56(1): 19-32, July 2008.

von Haefen, Roger H. "Empirical Strategies for Incorporating Weak Complementarity into Consumer Demand Models," *Journal of Environmental Economics and Management*, 54(1): 15-31, July 2007.

von Haefen, Roger H., D. Matthew Massey, & Wiktor Adamowicz. "Serial Non-Participation in Repeated Discrete Choice Models," *American Journal of Agricultural Economics*, 87(4): 1061-1076, November 2005.

von Haefen, Roger H., Daniel J. Phaneuf & George R. Parsons. "Estimation and Welfare Analysis with Large Demand Systems," *Journal of Business & Economic Statistics*, 22(2): 194-205, April 2004.

von Haefen, Roger H. & Daniel J. Phaneuf. "Estimating Preferences for Outdoor Recreation: A Comparison of Continuous and Count Data Demand System Frameworks," *Journal of Environmental Economics & Management*, 45(3): 612-630, May 2003.

von Haefen, Roger H. & Daniel J. Phaneuf. "A Note on Estimating Nested CES Preferences of Recreation Demand," *American Journal of Agricultural Economics*, 85(2): 406-413, May 2003.

von Haefen, Roger H. "Incorporating Observed Choice into the Construction of Welfare Measures from Random Utility Models," *Journal of Environmental Economics & Management*, 45(2): 145-165, March 2003.

von Haefen, Roger H. "A Complete Characterization of the Linear, Log-Linear, & Semi-Log Incomplete Demand System Models," *Journal of Agricultural & Resource Economics*, 27(2): 281-319, December 2002.

Smith V. Kerry, Roger H. von Haefen & Wei Zhu. "Do Environmental Regulations Increase Construction Costs for Federal Aid Highways? A Statistical Experiment," *Journal of Transportation & Statistics*, 2(1): 45-59, May 1999.

Smith, V. Kerry & Roger H. von Haefen. "Welfare Measurement and Representative Consumer Theory," *Economics Letters*, 57: 63-67, November 1997.

**Other  
Publications**

von Haefen, Roger H.. "The Travel Cost Model," In *Environmental and Natural Resource Economics: An Encyclopedia*, T. Haab, J. Whitehead, 2015.

Moeltner, Klaus, and Roger H. von Haefen. "Microeconomic Strategies for Dealing with Unobservables and Endogenous Variables in Recreation Demand Models," In *Annual Review of Resource Economics, Vol 3*, G. Rauser, V.K. Smith, and D. Zilberman, 2011.

Phaneuf, Daniel J. & Roger H. von Haefen. "Estimating the Demand for Quality with Discrete Choice Models," in *Quantifying Consumer Preferences: Estimating Demand Systems, Contributions to Economic Analysis*, Daniel Slotte, editor, Emerald Press, Bingley, UK, 2009.

**Other  
Publications  
(cont.)**

Bento, Antonio M., Lawrence H. Goulder, Emeric Henry, Mark R. Jacobsen, & Roger H. von Haefen. "Distributional and Efficiency Impacts of Gasoline Taxes: An Econometrically-Based Multi-Market Study," *American Economic Review, Papers and Proceedings*, 95(2): 282-287, May 2005.

von Haefen, Roger H. & Daniel J. Phaneuf. "Continuous Demand System Approaches to Nonmarket Valuation," in *Applications of Simulation Methods in Environmental & Resource Economics*, Riccardo Scarpa & Anna Alberini, editors, Springer, Dordrecht, 2005.

von Haefen, Roger H. "Book Review for Joy Hecht's *National Environmental Accounting*," *BioScience*, 56(3): 6-7, March 2006.

**Working  
Papers**

Domanski, Adam & Roger H. von Haefen. "Estimating Mixed Logit Recreation Demand Models with Large Choice Sets," January 2016. (under review)

Klaiber, H. Allen & Roger H. von Haefen. "Do Random Coefficient and Alternative Specific Constants Improve Policy Analysis? An Empirical Investigation of Model Fit and Prediction," September 2016.

Dundas, Steven, Roger H. von Haefen and Carol Mansfield. "The Costs of Endangered Species Protection on Public Land: Evidence from Cape Hatteras National Seashore," September 2016. (under review)

Dundas, Steven and Roger H. von Haefen. "Weather Effects on the Demand for Coastal Recreational Fishing: Implications for a Changing Climate," September 2015.

Stefanski, Stephanie and Roger H. von Haefen. "Using Aggregate Counts to Improve Policy Inference from On-Site Samples: An Application to the Peninsula Valdes World Heritage Site in Argentina," June 2016.

Villegas Ortiz, Laura & Roger H. von Haefen. "Managing Coal Ash Residuals: Emerging Policies in North Carolina," June 2016.

Zhukov, Boris & Roger H. von Haefen. "Measuring College Tuition Prices." February 2016.

**Unpublished  
Manuscripts**

von Haefen, Roger H. "Reconsidering the Role of the Willig Condition in Non-Market Valuation," July 2006.

von Haefen, Roger H. & Daniel J. Phaneuf. "Some Alternative Count Data Demand System Models of Recreation Demand," June 2001.

von Haefen, Roger H. "'Bottom-Up' Discrete-Continuous Demand Models with Binding Non-Negativity Constraints," September 2000.

von Haefen, Roger H. "Estimating Sample Welfare Statistics from Discrete Choice Random Utility Models of Recreation Demand," February 1999.

von Haefen, Roger H. "The Welfare Implications of Environmental Integrity for Recreation Site Definition," November 1998.

Smith V. Kerry, Roger H. von Haefen & Wei Zhu. "Environmental Compliance Costs: Where the Rubber Meets the Road," November 1998.

Smith V. Kerry & Roger H. von Haefen. "Legislative Sources of Environmental Regulations and Past Efforts to Measure Their Costs," September 1996.

**Research in  
Progress**

"Measuring the Recreational Benefits of Water Quality Improvements: A Calibration Approach" (with George Van Houtven, Carol Mansfield and Daniel Phaneuf)

WTP over Time and Space: An Application to Recreational Fishing along the US Atlantic Coast, 2000-2010 (with Steve Dundas)

- Research in Progress (cont.)**
- Random Coefficient Count Data Recreation Demand Models with Alternative Specific Constants (with Longzhong Shi)
  - Stated Consideration Set Models (with Matthew Massey & Wiktor Adamowicz)
  - Discrete Choice Sample Selection Models
  - Non-Additively Separable Continuous Demand System Models
- Presentations**
- 2016**  
*AERE Summer Conference, Breckenridge, CO; EAERE Annual Meetings, Zurich, Switzerland; CU Environmental and Resource Economics Conference, Vail, CO*
- 2015**  
*AAEA Annual Meetings, San Francisco, CA; EAERE Annual Summer Conference (Presenter and Discussant), Helsinki, Finland; W3133 Annual Meetings, Pensacola, FL*
- 2014**  
*AAEA Annual Meetings, Minneapolis, MN; Property and Environment Research Center, Bozeman, MT*
- 2013**  
*W2133 Annual Meetings, Coure D'Alene, ID; University of North Carolina - Greensboro, Greensboro, NC; Resources for the Future, Washington, DC; International Choice Modeling Conference, Sydney, AU; NBER Summer Institute (discussion), Cambridge, MA*
- 2012**  
*W2133 Annual Meetings, Albuquerque, NM; East Carolina University, Greenville, NC; University of Maryland, College Park, MD; AERE Summer Conference, Seattle, WA; AAEA Summer Meetings, Pittsburgh, PA*
- 2011**  
*W2133 Annual Meetings, Albuquerque, NM; East Carolina University, Greenville, NC; University of Maryland, College Park, MD; AERE Summer Conference, Seattle, WA; AAEA Summer Meetings, Pittsburgh, PA*
- 2010**  
*W2133 Annual Meetings, Tucson, AZ; Appalachian State University, Boone, NC*
- 2009**  
*Texas A&M University, College Station, TX; University of Texas, Austin, TX; W2133 Annual Meetings, Austin, TX; Columbia University, New York, NY; UC Energy Institute POWER Conference, Berkeley, CA*
- 2008**  
*WRI Annual Conference, Raleigh, NC; Georgia State University, Atlanta, GA; European AERE Annual Meetings, Gothenburg, Sweden; W2133 Annual Meetings (Presenter and Discussant), Waikoloa, Hawaii; University of Wyoming, Laramie, WY; Colorado State University, Fort Collins, CO; University of Colorado, Boulder, CO; North Carolina State University, Raleigh, NC*
- 2007**  
*AERE Sessions at the ASSA Annual Meetings (Presenter and Discussant), Chicago, IL; W1133 Annual Meetings, Richmond, VA; Virginia Polytechnical Institute and State University, Blacksburg, VA*

**2006**

*W1133 Annual Meetings*, San Antonio, TX; *University of Alberta*, Edmonton, Alberta; *Revealed Preference Beyond Markets: Micro-econometrics in Environmental Economics Workshop (Lecturer)*, Raleigh, NC

**2005**

*AERE Sessions at the ASSA Annual Meetings (Discussant)*, Philadelphia, PA; *University of California*, Davis, CA; *North Carolina State University*, Raleigh, NC; *AAEA Annual Meetings*, Providence, RI; *Conference on Linking Economic and Ecological Models for Environmental Policy Analysis (Discussant)*, Santa Fe, NM; *NBER Summer Institute on Public Policy and the Environment (Discussant)*, Cambridge, MA; *University of Maryland*, College Park, MD; *Triangle Econometric Conference*, Durham, NC

**Presentations  
(cont.)**

**2004**

*University of California*, Berkeley, CA; *Stanford University*, Palo Alto, CA; *W-1133 Annual Meetings*, Maui, HI; *University of Nevada*, Reno, NV; *University of New Hampshire*, Durham, NH; *Western Economic Association Annual Meetings*, Vancouver, BC

**2003**

*AERE Sessions at the ASSA Annual Meetings*, Washington, DC; *Stanford University Workshop on Equilibrium Modeling Approaches at the Boundaries of Industrial Organization, Public Economics, & Environmental Economics*, Stanford, CA; *W-1133 Annual Meetings*, Las Vegas, NV; *AAEA Annual Meetings*, Montreal, Canada; *Heartland Environmental Workshop*, Ames, IA; *University of California*, Berkeley, CA; *University of Arizona*, Tucson, AZ

**2002**

*AERE Sessions at the ASSA Annual Meetings*, Atlanta, GA; *Econometric Society European Meetings*, Venice, Italy; *World Congress of Environmental & Resource Economists*, Monterey, CA; *Camp Resources*, Wilmington, NC; *Ohio State University*, Columbus, OH; *University of California*, Santa Barbara, CA; *University of Arizona*, Tucson, AZ

**2001**

*AERE Sessions at the ASSA Annual Meetings*, New Orleans, LA; *University of Colorado Summer Environmental Workshop*, Boulder, CO; *Western Economic Association Annual Meetings*, San Francisco, CA; *Camp Resources*, Wilmington, NC; *Heartland Environmental Workshop*, Ames, IA; *University of Maryland*, College Park, MD; *North Carolina State University*, Raleigh, NC

**2000**

*University of Colorado Summer Environmental Workshop*, Boulder, CO; *AAEA Annual Meetings*, Tampa, FL; *Camp Resources*, Wilmington, NC; *Heartland Environmental Workshop*, Ames, IA; *Southern Economic Association Annual Meetings*, Washington, DC

**1995-1999**

*AERE Sessions at the ASSA Annual Meetings*, New York, NY; *NOAA Damage Assessment Center*, Silver Spring, MD; *Bureau of Labor Statistics*, Washington, DC; *Charles River Associates*, Washington, DC; *Camp Resources*, Wilmington, NC (1995-1998); *NBER Environmental Economics Summer Institute*, Cambridge, MA (1997); *North Carolina Center for Transportation and the Environment's Conference on Economics, Transportation & the Environment*, Raleigh, NC (1997)

**Grants**

Principal Investigator, "Estimating the Benefits of Stream Water Quality Improvements in Urbanizing Watersheds: An Ecological Production Function Approach," United States Environmental Protection Agency, \$800,000, 2016-2018.

- Grants (cont.)**
- Co-Principal Investigator, “Camp Resources: A Workshop for Professional Development of Young Researchers in Environmental Economics,” United States Environmental Protection Agency, \$175,989, 2009-2015.
- Co-Investigator, “A Proposal for a Microeconometrics Training Workshop,” United States Environmental Protection Agency, \$78,489, 2008-2009.
- Principal Investigator, “Measuring the Benefits of Nutrient Management Strategies at North Carolina Reservoirs Using Linked Non-Market Valuation and Environmental Assessment Models,” North Carolina Water Resources Research Institute, \$42,566, 2008-2009.
- Co-Investigator, “Measuring Nutrient Reduction Benefits for Policy Analysis Using Linked Non-Market Valuation and Environmental Assessment Models,” United States Environmental Protection Agency, \$423,841, 2008-2013.
- Investigator, “The Environmental Costs of Automobile Demand,” Stanford University Environmental Initiative, \$250,000, 2007-2008.
- Investigator, “Gasoline Taxes and Automobile Demand,” William and Flora Hewlett Foundation, \$370,000, 2005-2006.
- Co-Investigator, “Research Initiative on the Environment, the Economy, and Sustainable Welfare,” William and Flora Hewlett Foundation, \$1,500,000, 2001-2005.
- Outreach**
- von Haefen, Roger H. “Vehicle Miles Traveled Tax: A Common Sense Way to Finance NC Roads,” Op-Ed Piece, *Raleigh News & Observer*, February 18, 2015.
- von Haefen, Roger H. “The Recreational Benefits of the Falls Lake Nutrient Management Strategy,” *NC State Economist*, November/December 2013.
- von Haefen, Roger H. “Biofuels and the North Carolina Economy,” NCSU Turkey Day presentation, Wilmington, NC, September 2008.
- von Haefen, Roger H. “Can Ethanol End Our Oil Addiction?” *NC State Economist*, March/April 2007.
- von Haefen, Roger H. “Let Price Signals Flow to Water Bills,” Op-Ed Piece, *Raleigh News & Observer*, September 31, 2007.
- Quoted in the *Triangle Business Journal* (May 29, 2009), *Durham Herald-Sun* (March 20, 2008), *WRAL-TV 6pm Newscast* (December 18, 2007), *Fayetteville Observer* (December 5, 2007), *Raleigh News & Observer* (August 21, 2007), *Rocky Mount Telegram* (June 24, 2007).
- Referee Work**
- Journal of Environmental Economics and Management (JEEM) Co-Editor-In-Chief, 2016-present; JEEM Co-Editor, 2013-2015, JEEM (Editorial Council, 2006-2013), Editorial Council, Journal of the Association of Environmental and Resource Economists, 2014-present, Journal of Business & Economic Statistics, Journal of Applied Econometrics, International Economic Review, Review of Economic Studies, European Economic Review, AEJ: Economic Policy, Economic Inquiry, Contemporary Economic Policy, B.E. Journal of Economic Analysis and Policy, Southern Economic Journal, Proceedings of the National Academy of Sciences, Journal of Choice Modeling, Applied Economics and Public Policy, Forest Science, Water Resources Research, Water Resource Economics, Resource & Energy Economics, Energy Economics, Energy Journal, Environmental and Resource Economics, Land Economics, Ecological Economics, American Journal of Agricultural Economics, Journal of Agricultural & Resource Economics, Agricultural and Resource Economics Review, Review of Agricultural Economics, Marine Resource Economics, Environmental Economics and Policy Studies, Monthly Labor Review, Tourism Management, Scottish Journal of Political Economy, BioScience, Transportation Research Part B, Transportation Research Part A, Bulletin of Economic Research, Quarterly Review of Economics & Finance, Addison Wesley, McGraw-Hill, Wiley, Worth, Columbia University Press, RFF, Cambridge University Press*

<b>Professional Service</b>	Co-Organizer, Camp Resources, 2006-present; Chair, AAEA Most Outstanding Dissertation Award Committee, 2009-2010; President, W2133 Regional Project, 2009-2010; Vice-President, W2133 Regional Project, 2008-2009; Treasurer, W2133 Regional Project, 2007-2008; Co-Organizer, Triangle Resource and Environmental Economics Seminar Series, 2005-present Topic Leader, Statistics and Quantitative Methods Subcommittee, AAEA Annual Meetings Paper Selection Committee, 2007-2009
<b>Graduate Student Mentorship</b>	Christopher Giguere (Appalachian State), Marwa Salem (RTI), Steven Dundas (Oregon State), Boris Zhukov (Ball State), Jacob Brimlow (Chico State), Adam Domanski (NOAA Damage Center), Longzhong Zhu (in progress), Lee Parton (in progress), and Moon Joon Kim (in progress), Jin Qin (in progress); Ph.D. committee member for 25+ students; Chair and committee member for several Master's students
<b>Professional Memberships</b>	Association of Environmental & Resource Economists, European Association of Environmental & Resource Economists, American Economic Association, Econometric Society, Agricultural and Applied Economics Association
<b>Teaching Experience</b>	Benefit-Cost Analysis (advanced undergraduate); Environmental & Resource Economics (Ph.D. & undergraduate); Consumer Economics (Master's); Applied Econometrics (Master's)
<b>Consulting</b>	North Carolina Coal Ash Commission (2015-2016), RTI International (2008-2013), North Carolina Department of Environment and Natural Resources (2012-2013), National Park Service (2008-2009), National Oceanic and Atmospheric Administration (2010-present), National Highway Traffic Safety Administration (2014); Stratus Consulting (2010-2013); Industrial Economics (2013-present)