

# CURRICULUM VITAE

Charles Towe

## 1. Personal Information

Charles Towe

Assistant Professor, since 2008

Department of Agricultural and Resource Economics

## Education

Ph.D., Agricultural and Resource Economics, Department of Agricultural and Resource Economics, University of Maryland, College Park, MD, 2008

M.A. in Economics, Department of Economics, Tufts University, Medford, MA, August 1997

B.A. in Economics, Department of Economics, University of North Carolina – Asheville, Asheville, NC, minor in Mathematics, May 1996

## Work Experience

Agricultural Economist, Economic Research Service USDA, Washington, DC 20036  
June, 2007 – August, 2008.

Adjunct Professor, Johns Hopkins School of Advanced International Studies,  
Washington, DC 20036, Spring 2008

Computer Programmer, Fidelity Investments, Boston, MA 02109  
Jan, 2000 – July, 2002

Programmer / Consultant, Andersen Consulting, Boston, MA  
Aug, 1997 – Dec, 1999

## 2. Research, Scholarly, and Creative Activities

Articles in Refereed Journals.

Harrison, Glenn, John List, and Charles Towe. (2007) “Naturally Occurring Preferences and Exogenous Laboratory Experiments -- A Case Study of Risk Aversion.” *Econometrica* 75(2): 433-458.

Towe, Charles, Cindy Nickerson, and Nancy Bockstael. (2008). “An Empirical Examination of the Timing of Land Conversions in the Presence of Farmland Preservation Programs.” *American Journal of Agricultural Economics*. 90(3): 613-626.

Briggeman, Brian, Charles Towe, and Mitch Morehart. (2009). “Credit Constraints: Their Existence, Determinants, and Implications for U.S. Farm and

Non-Farm Sole-Proprietors.” *American Journal of Agricultural Economics* 91: 275-289.

Kaza, Nikhil, Charles Towe, and Xin Ye. “A Hybrid Land Conversion Model Incorporating Multiple End Uses.” *Agricultural and Resource Economics Review* 40(3): 341–359.

Towe, Charles and Chad Lawley. “The Contagion Effect of Neighboring Foreclosures.” *Revise and Resubmit American Economic Journal – Economic Policy*

Towe, Charles and Constant Tra. “Vegetable Spirits and Renewable Fuels” *Revise and Resubmit American Journal of Agricultural Economics*

#### Monographs, Reports, and Extension Publications.

Goetz, Scott, Claire Jantz, Charles Towe, and Nancy Bockstael. (2007) “Modeling the Urbanization Process Across Maryland in the Context of Chesapeake Bay Restoration”, Report for Smart Growth at 10 Conference.

Towe, Charles and Mitch Morehart. (2008). “Lessons learned from Internet dissemination of confidential farm survey results: USDA’s Agricultural Resource Management Survey.” *Proceedings of the UNECE/Eurostat work session on statistical data confidentiality.*

#### Invited talks, etc.

Southern Economics Association Annual Meeting, November 21-23, 2004, New Orleans, LA.

American Agricultural Economics Association, July 24-26, 2005, Providence, RI.

Camp Resources XIII, Wilmington, NC, August, 2005.

American Agricultural Economics Association, July 29-31, 2007, Portland, OR.

North Carolina State University, invited seminar August 31, 2007, Raleigh, NC.

The Transatlantic Land Use Conference, September 25, 2007, Washington, DC.

Smart Growth at 10 – A Critical Examination Of Maryland’s Landmark Land Use Program Conference, October 3-5, 2007, University of Maryland, College Park, MD

Pennsylvania State University, invited seminar, November 15, 2007, State College, PA.

United Nations Economic Commission for Europe Conference on statistical data confidentiality, December 17-19, 2007, Manchester, UK.

University of Maryland, invited seminar, April 16, 2008, College Park, MD.

Southern Economic Association, Nov. 20-23, 2008, Washington, DC.

Allied Social Science Association, Jan 2-5, 2009, San Francisco, CA.

Center for Agriculture and Natural Resource Policy Annual Outlook Meeting, March, 2009.

American Agricultural Economics Association, July, 2009, Milwaukee, WI.

Department of Housing and Community Development, State of Maryland, Crownsville, MD, December 2009.

American Agricultural Economics Association, July, 2010, Denver, CO.

University of Maryland Baltimore County, invited seminar, September 24, 2010, Baltimore, MD.

North American Regional Science Council, November, 2010, Denver, CO.

Association of Environmental and Resource Economists, 2011, Seattle, WA

American Agricultural Economics Association, July, 2011, Pittsburgh, PA.

The Economic of Water Quality Improvement in Chesapeake Bay, EPA and RFF, Oct. 2011, Washington, DC

North American Regional Science Council, November, 2011, Miami, FL.

#### Conference proceedings.

Bento, Antonio, Charles Towe, and Jacqueline Geoghegan. (2007). "The Effects of Moratoria on Residential Development: Evidence from Howard County, MD." *American Journal of Agricultural Economics* 89(5): 1211-1218.

Towe, Charles. (2009). "A Valuation of Subdivision Open Space by Type." *American Journal of Agricultural Economics* 91:5, 1319-1325

## Contracts and Grants.

Economic Research Service, \$137,500, Construction of Property Tax Database, through October 1, 2010, Principal Investigator

National Science Foundation, \$171,000. Regional Climate Variability and Patterns of Urban Development – Impacts on the Urban Water Cycle and Nutrient Export. January 1, 2011, Co PI.

Signed Memorandum of Understanding with Southern Maryland Electricity Cooperative to share customer billing and usage records to facilitate research involving technology adoption and energy efficiency.

Signed Memorandum of Understanding with Maryland Department of Housing and Community Development to share phone bank data from the Maryland Homeowners Preserving Equity (HOPE) phone bank to facilitate evaluation of intervention programs to prevent foreclosure.

EPA Region III, \$140,000, Reality Check Plus - Envisioning a Sustainable Maryland – RARE Project. July, 2011 Co-PI

USDA-ERS, \$65,000, Design and Experimental Testing of Land Retirement Auctions II. Aug. 2011.

- j. Fellowships, Prizes, and Awards.
- k. Editorships, Editorial Boards, and Reviewing Activities for Journals and Other Learned Publications.

## Other.

### Working papers

Towe, Charles, and Douglas Wrenn. “Exploiting spatial and temporal variations in residential subdivision development to identify urban growth spillovers.”

Towe, Charles, and Lori Lynch. “Does Money Talk? An Evaluation of Maryland’s Priority Funding Legislation using Propensity Score Matching.”

Lawley, Chad and Charles Towe, “Implicit Prices of Habitat Conservation Easements”

Tra, Constant and Charles Towe “The Impact of Ethanol plants on Farmland Values: Evidence from the U.S. June Agricultural Survey”

Towe, Charles. “Testing the Effect of Neighboring Open Space on Development using Propensity Score Matching.”

Towe, Charles. “Multiple Options in Land Conversion - A Dependent Competing Risks Analysis.”

## Other projects

Alberini, Anna, Will Gans, and Charles Towe. "What is the Uptake of Energy Efficiency Incentives? Evidence from a Survey of Maryland Households"

Towe, Charles, H. Allen Klaiber, and Joe Maher "A Valuation of Restored Streams Using Repeat Sales"

Adalja, Aaron, Jim Hanson, Charles Towe, and Elina Tselepidakis "Consumers Willingness to Pay for Grass Fed Beef" – Both a Conjoint survey and experimental approach.

## Teaching, Mentoring, and Advising

Courses taught in the last five years.

- AREC 382 Computer Based Analysis in Agricultural and Resource Economics 30 students, Fall 2010, 30 students, Fall 2011
- AREC 625/825 Advanced Welfare Economics Graduate Class, University of Maryland 10 students, Fall 2009, 4 students, Fall 2010, 6 students, Fall 2011
- AREC 489f Applied Agricultural Production Economics, University of Maryland 30 students, Fall 2009
- AREC 405 Agricultural Production Economics, University of Maryland 35 students, Fall 2008
- Econometrics Advanced Math, Johns Hopkins University, School of Advanced International Studies Graduate program, 15 students, Spring 2008

Advising: Research Direction.

### Dissertation

Juan Feng 2011 (Committee Member complete)

Rebecca Lewis, 2011. Urban Planning (Committee Member - complete)

Sonia Jarvis 2011. (Committee Member-complete)

David Herberich 2010. (Committee Member-completed)

Anmol Ratan 2010. (Committee Member-completed)

Nathaniel Higgins 2010. (Committee Member-completed)

Timothy Fitzgerald 2009. (Committee Member-completed)

Lopa Chokrabarti 2008. (Committee Member-completed)

Dissertation in process (prospectus complete)

Shinsuka Uchida 2010. (Committee Member-prospectus)

Dennis Guignet 2009. (Committee Member-prospectus)

Craig Meisner 2011 (Committee Member-prospectus)

Seth Wechsler 2011 (Committee Member-prospectus)

Trang Tran 2011 (Committee Member-prospectus)

Prospectus in process  
Andrew Martin  
Joe Maher

Professional.

Reviewer for,

Econometrica  
Economics Letters  
American Journal of Agricultural Economics  
Applied Economic Perspectives and Policy  
Journal of Environmental Management  
Journal of Environmental Economics and Management  
Environmental and Resource Economics  
Journal of Agricultural and Applied Economics  
Agricultural and Resource Economics Review  
Research in Experimental Economics  
Journal of Agricultural and Resource Economics  
Canadian Journal of Agricultural Economics

2010 AAEA Annual meeting topic leader for Research  
Methods/Econometrics/Statistics selected papers

2009 AAEA Annual meeting topic leader for Research  
Methods/Econometrics/Statistics selected papers

Grant reviewer ERS for Energy Markets and Greenhouse Gases experimental  
economics grants.

2011 AAEA Quality of Research Discovery Committee Member

2011 Council of Professional Associations on Federal Statistics – AAEA  
representative

Community

Board of Trustees Member Paint Branch Unitarian Universalist Church, Adelphi, MD