

Andrew W. Schreiber

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Agricultural and Applied Economics
University of Wisconsin-Madison
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Education

Ph.D. Agricultural and Applied Economics, University of Wisconsin-Madison, 2017 (Expected).

Dissertation Title: "Essays in Regional Economic Analysis".

Committee: Thomas Rutherford, Corbett Grainger, Daniel Phaneuf.

B.A. Economics (*with Distinction*), University of Wisconsin-Madison, 2012.

Research Interests

Environmental, Natural Resource and Computational Economics

Peer-Reviewed Publications

1. Deller, Steven, and Andrew Schreiber. "Mining and Community Economic Growth." *The Review of Regional Studies* 42.2 (2013): 121-141.

Working Papers

2. Schreiber, Andrew. "Economic Impacts of Groundwater Restrictions in Wisconsin's Central Sands." (2017): 1-60. (**Job Market Paper**)
3. Grainger, Corbett A., Andrew Schreiber, and Wonjun Chang. "Do Regulators Strategically Avoid Pollution Hotspots when Siting Monitors? Evidence from Remote Sensing of Air Pollution" (2017): 1-42.
4. Grainger, Corbett A., Andrew Schreiber, and Fan Zhang. "Distributional Impacts of Energy-Heat Cross-Subsidization", *Under Review* (2017): 1-40.
5. Schreiber, Andrew, Allister Loder, and Kay W. Axhausen. "Urban Mode and Subscription Choice - An Application of the Three-Dimensional MFD." (2016): 1-40. Paper presented at the 16th Swiss Transport Research Conference, Ascona, May 2016.

Ongoing Projects

6. General equilibrium multipliers: with Thomas F. Rutherford
7. Assessing the water-energy nexus in the United States in a CGE framework: with Feng Qui
8. Subnational climate policy: with Gokce Akin-Olcum, Christoph Bohringer, and Thomas F. Rutherford
9. Open source tools for constructing subnational applied general equilibrium models: with Thomas F. Rutherford
10. Agglomeration benefits of transportation policy: with Kay Axhausen, Allister Loder, and Thomas F. Rutherford

Non-Peer Reviewed Reports

11. Grainger, Corbett A., Fan Zhang, and Andrew Schreiber. "Distributional Impacts of Energy Cross-Subsidization in Transition Economies: Evidence from Belarus" *World Bank Policy Research Working Paper No. 7385* (2015): 1-47.
12. Rutherford, Thomas F., and Andrew Schreiber. "General Equilibrium Frameworks for Climate Risk Assessment with IMPLAN Data." *MCRSA Conference Proceedings* (2014): 126-137.
13. Rutherford, Thomas F., and Andrew Schreiber. "Using IMPLAN Social Accounts for Applied General Equilibrium Modeling." Technical Manual (2014): 1-31.
14. Deller, Steven C., and Andrew Schreiber. "Frac Sand Mining and Community Economic Development." Staff Paper Series. University of Wisconsin-Madison Department of Agricultural and Applied Economics (2012): 1-35.

Talks

- 2017 UW-Madison, Applied Economics Seminar
UW-Whitewater, Water Research Conference
- 2016 UW-Madison, Applied Economics Seminar
- 2015 Swiss Federal Institute of Technology (ETH), IVT Seminar
- 2014 Wisconsin Economic Association Annual Meeting
UW-Madison, AAE 525 Applied Optimization Lecture
IMPLAN, Huntersville, North Carolina
- 2013 6th Annual Hazus Conference, Indianapolis, IN

Awards

- 2015 Best PhD Paper Presentation, Student Research Colloquium, Department of Agricultural and Applied Economics, UW-Madison
- Pass with Distinction: 2015 Environmental Economics Field Prelim, Department of Agricultural and Applied Economics, UW-Madison
- Dean's List, UW-Madison, 2010-2012
- Dean's List, Northern Illinois University, 2008-2010

Grants

- CIAS summer mini-grant for "Economic Impacts of Groundwater Restrictions in Wisconsin's Central Sands." \$1000.

Peer Review

- Reviewer for *IEEE Transactions on Power Systems* (2)

Academic Experience

Graduate Research Program, Dr. Feng Qui, Argonne National Laboratory, *Center for Energy, Environmental and Economic Systems Analysis (CEEESA)*, June 2016 - present

Research Assistant, Dr. Thomas F. Rutherford, Optimization Group, Wisconsin Institute for Discovery, June 2012 - present

Teaching Assistant, Introduction to Optimization (master's level), Dr. Thomas F. Rutherford, Fall 2017

Teaching Assistant, Applied Econometric Analysis 2 (master's level), Dr. Brian W. Gould, Spring 2016

Visiting Researcher, Dr. Kay W. Axhausen, Institute for Transport Policy and Systems (IVT), Swiss Federal Institute of Technology (ETH), September 2015 - November 2015

Short-term Consultant, World Bank, April 2014 - December 2014

Report: Heat Tariff Reform and Social Impact Mitigation: Recommendations for a Sustainable District Heating Sector in Belarus (with Dr. Corbett Grainger and Dr. Fan Zhang)

Research Assistant, Dr. Steven Deller, Agricultural and Applied Economics, UW-Madison, April 2012 - September 2012

Research Assistant, Dr. Corbett Grainger, Agricultural and Applied Economics, UW-Madison, May 2011 - April 2012

Other Experience

Algorithm Researcher, ρ H Global LLC., September 2013 - August 2015

Researcher/Economist, IMPLAN Group LLC., 2013 - 2014 (June - August)

Computer Proficiencies

Languages & Software: GAMS, MATLAB, Stata, R, Emacs, Latex, ArcGIS, Microsoft Office, Subversion

Operating Systems: Windows, partial fluency in Linux and OSX

References

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