

HAOYING WANG

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Department of Agricultural Economics, Sociology and Education
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Education

- CURRENT THE PENNSYLVANIA STATE UNIVERSITY
Ph.D. Candidate in Agricultural, Environmental and Regional Economics, Expected by July 2014
Ph.D. Candidate in Operations Research, Expected by July 2014
Dissertation: Essays on Land Development, Housing Markets, and Environment.
- 2010 THE UNIVERSITY OF ARIZONA
Master of Science in Agricultural and Resource Economics, May 2010
- 2008 XIAMEN UNIVERSITY
Master of Arts in Political Economics, June 2008
- 2005 JILIN UNIVERSITY
Bachelor of Science in Material Science and Engineering, July 2005

Research Interests

Urban and Regional Economics, Land Use, Environmental and Resource Economics.
Spatial Analysis, Economic Geography, Applied Econometrics.
Large Scale Simulation, Numerical Methods.

Research Publications

- 2013 "Simulation of Housing Market Dynamics: Amenity Distribution and Housing Vacancy,"
Forthcoming in *The Proceedings of the 2013 Winter Simulation Conference*, (with Chia-Jung Chang).
- 2013 "An Examination of Spillover Induced Development from the Sale of Public Lands,"
Revise and Resubmit, (with Allen Klaiber).
- 2013 "The Spatial Structure of Farmland Values: A Semiparametric Approach," Under Review.
(This paper is collected in *NEP-GEO Report: Economic Geography (1) 2013-06-24*)
(<http://ideas.repec.org/n/nep-geo/2013-06-24.html>)
- 2013 "Crop Yields and Climate Change: Accounting for Adaptations in Spatial Context,"
Submitted, (with Satheesh Aradhyula).
- 2013 "Pricing Used Books on Amazon.com: A Semiparametric Spatial Autoregressive Model of
Price Dispersion," Submitted.

Dissertation Essays

“A Two-Stage Algorithm to Herbert-Stevens Model: The Monocentric City and Duocentric City.”

“A Simulation of Home Improvement and New Development: The Role of Environmental Amenity and Neighborhood Effects.”

“Land Development, Housing Markets, and Environmental Qualities - A Structural Approach.”

Conference Presentations

- 2013 A Two-Stage Algorithm to Herbert-Stevens Model: The Monocentric City and Duocentric City, *The INFORMS 2013 Annual Meetings*, October 6-9, 2013. Minneapolis, MN, United States.
- 2013 The Spatial Structure of Farmland Values: A Semiparametric Approach, *2013 Agricultural & Applied Economics Association (AAEA) & CAES Joint Annual Meeting*, August 4-6, 2013. Washington, D. C., United States.
- 2013 Pricing Used Books on Amazon.com: A Semiparametric Spatial Autoregressive Model, *The VII World Conference of the Spatial Econometrics Association (SEA)*, July 10-12, 2013. Washington, D. C., United States.
- 2013 A Spatial Econometric Analysis of Crop Yield and Climate Variability in Arizona (with Satheesh Aradhyula), *The Western Agricultural and Resource Economics Association (WAEA) 2013 Annual Meeting*, June 26-28, 2013. Monterey, CA, United States.
- 2013 Crop Yield and Climate Variability: Accounting for Irrigation and Productivity Variation in Spatial Context (with Satheesh Aradhyula), *The Northeast Agricultural and Resource Economics Association (NAREA) 2013 Annual Meeting*, June 23-25, 2013. Ithaca, NY, United States.
- 2013 A Semiparametric Analysis of the Spatial Structure of Farmland Values, *The 52nd Southern Regional Science Association (SRSA) Annual Meeting*, April 4-6, 2013. Metropolitan Washington, D. C., United States.
- 2013 Why Numerical Methods in Land and Urban Economics? An Example with the Herbert-Stevens Model, *No) Boundaries Interdisciplinary Student Conference*, March 23, 2013, University Park, PA, United States.
- 2011 The Sale of State Lands and Land Use Policy in Determining Locations of New Housing: The Housing Boom in Phoenix, AZ (with Allen Klaiber), *58th Annual North American Meetings of the Regional Science Association International & Second Conference of the Regional Science Association of the Americas (RSAmericas)*, November 9-12, 2011, Miami, FL, United States.
- 2008 Property Right Reform, the Establishment of Modern Enterprise System and External Institutional Environment (with Minshu Lin), *The 22nd China Socio-economic Theory and Practice Symposium*, Dec. 2008, Fudan University, Shanghai, P. R. China.
- 2008 Property Right Reform, the Establishment of Modern Enterprise System and External Institutional Environment (with Minshu Lin), *The Fifth Annual Conference of Fujian Social Science Academia*, 2008, Xiamen, P. R. China.

Teaching Experience

- 2013Fall Teaching Assistant for Applied Microeconomics Theory (AEREC597E, graduate level), Pennsylvania State University.

- 2008Fall Teaching Assistant for Economic Statistics (ECON/AREC339, undergraduate), University of Arizona.
- 08Spring Teaching Assistant for International Economics (undergraduate), Xiamen University.
- 2007Fall Teaching Assistant for History of Economic Thought (undergraduate), Xiamen University.
- 07Spring Teaching Assistant for Principle of Political Economics (undergraduate), Xiamen University.

Fellowships, Honors and Awards

- 2013-2014 Thomas C. and Jackie M. Floore Memorial Scholarship in Agricultural Economics, Pennsylvania State University.
- 2010 Funding for Excellence in Graduate Recruitment (FEGR), Pennsylvania State University.
- 2009-2010 E. Ray Cowden Scholarship, University of Arizona.
- 2007 Honor for Outstanding Performance in Field Research, Xiamen University.
- 2005-2008 National Graduate Student Scholarship, Xiamen University.
- 2001-2004 Jilin University Student Scholarship (undergraduate), Jilin University.

Affiliations

- Agricultural & Applied Economics Association (AAEA)
- Western Agricultural Economics Association (WAEA)
- Spatial Econometrics Association (SEA)

References

Spiro Stefanou (advisor)

Professor, Department of Agricultural Economics, Sociology and Education, Pennsylvania State University. Email: ttc@psu.edu.

Richard Ready (co-advisor)

Professor and Program Director, Department of Agricultural Economics, Sociology and Education, Pennsylvania State University. Email: rready@psu.edu.

James Shortle

Professor, Department of Agricultural Economics, Sociology and Education, Pennsylvania State University. Email: jshortle@psu.edu.

Allen Klaiber

Assistant Professor, Department of Agricultural, Environmental and Development Economics, Ohio State University. Email: klaiber.16@osu.edu.

Alan Ker

Chair and Professor, Department of Food, Agricultural and Resource Economics, University of Guelph. Email: aker@uoguelph.ca.