

# Michael S. Delgado

Curriculum Vitae  
August 2017

## Contact Information

Department of Agricultural Economics  
Purdue University  
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## Professional Appointments

Associate Professor, Department of Agricultural Economics, Purdue University, 2017-present  
Assistant Professor, Department of Agricultural Economics, Purdue University, 2012-2017

## Education

Ph.D. Economics, Binghamton University, 2012  
M.A. Economics, Binghamton University, 2009  
B.S. Economics, *cum laude*, University of the Pacific, 2007

## Areas of Concentration

Applied Econometrics  
– Nonparametric Econometrics, Spatial/Network Econometrics, Causal Modeling  
Environmental Economics  
– Voluntary Pollution Abatement, Water Resources, Environmental Policy  
Economic Growth and Development  
– Foreign Direct Investment, Regional Poverty

## Funded Research Grants

1. Purdue Research Foundation, Summer Faculty Research Grant, 2017
2. Purdue Research Foundation Award, 9/2016-5/2017, one year graduate assistant support
3. USDA Innovation Research Grant, 4/2015-9/2017, collaboration between Purdue Ag Econ, Purdue PCRD and ERS, \$298,500
4. USDA NIFA, 12/2014-11/2018, with Maria I. Marshall (PI) and Craig Dobbins, \$471,000
5. Purdue Research Foundation Award, 9/2014-5/2015, one year graduate assistant support
6. Agricultural Research at Purdue, 8/2013-5/2015, two years graduate assistant support

## Journal Articles

1. "Heterogeneous Symbiosis and Commensalism between Foreign Direct Investment and Economic Growth: A Semiparametric System of Simultaneous Equations Analysis with Instrumental Variables," with Nadine McCloud and Subal C. Kumbhakar, accepted by *Journal of Econometric Methods*.
2. "An Analysis of the Endogenous Relationship Between Farm Family-Business Structure, Synergistic Relationships, and Profit," with Tia M. McDonald and Maria I. Marshall, accepted by *Journal of Family and Economic Issues*.
3. "Benefit or Damage? The Productivity Effects of FDI in the Chinese Food Industry," with Shaosheng Jin, Haiyue Guo and H. Holly Wang, *Food Policy*, 2017, 68, 1-9, lead article.
4. "Are Local Market Relationships Undermining Organic Fruit and Vegetable Certification? A Bivariate Probit Analysis," with Ariana P. Torres, Maria I. Marshall and Corrine E. Alexander, *Agricultural Economics*, 2017, 48, 197-205.
5. "Finite Sample Performance of Specification Tests for Correlated Random Effects Quantile Panel Regressions," with Samiul S. Haque, *Applied Economics Letters*, 2017, 24, 515-519.
6. "Foreign Direct Investment and the Domestic Capital Stock: The Good-Bad Role of Higher Institutional Quality," with Nadine McCloud, accepted by *Empirical Economics*.
7. "A Test on Adverse Selection of Farmers in Crop Insurance: Results from Inner Mongolia in China," with Yuanfeng Zhao, Zhihui Chai and Paul V. Preckel, *Journal of Integrative Agriculture*, 2017, 16, 478-485.
8. "The Cost of Unconventional Gas Extraction: A Hedonic Analysis," with Todd Guilfoos and Andrew Boslett, *Resource and Energy Economics*, 2016, 46, 1-22, lead article.
9. "Dynamic Adjustment in Agricultural Practice to Economic Incentives Aiming to Decrease Fertilizer Application," with Shanxia Sun and Juan P. Sesmero, *Journal of Environmental Management*, 2016, 177, 192-201.
10. "An Empirical Analysis of the Effect of Crop Insurance on Farmers' Income: Results from Inner Mongolia in China," with Yuanfeng Zhao, Zhihui Chai and Paul V. Preckel, *China Agricultural Economic Review*, 2016, 8, 299-313.
11. "Difference-in-Difference Techniques for Spatial Data: Local Autocorrelation and Spatial Interaction," with Raymond J. G. M. Florax, *Economics Letters*, 2015, 137, 123-126.
12. "Future Property Damage from Flooding - Sensitivities to Economy and Climate Change" with Jing Liu, Thomas Hertel, Moetasim Ashfaq and Noah Diffenbaugh, *Climatic Change*, 2015, 132, 741-749.
13. "Evolution of the Global Distribution of Carbon Dioxide: A Finite Mixture Analysis," with Michele Battisti and Christopher F. Parmeter, *Resource and Energy Economics*, 2015, 42, 31-52.
14. "Quantifying the Effects of Underground Natural Gas Storage on Nearby Residents," with Michaela Jellicoe, *Agricultural and Resource Economics Review*, 2015, 44 (2), 59-82.

15. "Voluntary Pollution Abatement and Regulation," with Neha Khanna, *Agricultural and Resource Economics Review*, 2015, 44, 1-20, lead article.
16. "The Value of Environmental Status Signaling," with Jessica Harriger and Neha Khanna, *Ecological Economics*, 2015, 111 (1), 1-11, lead article.
17. "Should All Microfinance Institutions Mobilize Microsavings? Evidence from Economics of Scope," with Christopher F. Parmeter, Valentina Hartarska and Roy Mersland, *Empirical Economics*, 2015, 48 (1), 193-225.
18. "A Generalized Empirical Model of Corruption, Foreign Direct Investment, and Growth," with Nadine McCloud and Subal C. Kumbhakar, *Journal of Macroeconomics*, 2014, 42 (1), 298-316.
19. "The Transition to Modern Agriculture: Contract Farming in Developing Countries," with H. Holly Wang and Yanbing Wang, *American Journal of Agricultural Economics*, 2014, 96 (5), 1257-1271.
20. "A Simple Estimator for Partial Linear Regression with Endogenous Nonparametric Variables," with Christopher F. Parmeter, *Economics Letters*, 2014, 124 (1), 100-103.
21. "Does Education Matter for Economic Growth?" with Daniel J. Henderson and Christopher F. Parmeter, *Oxford Bulletin of Economics and Statistics*, 2014, 76 (3), 334-359.
22. "Embarrassingly Easy Embarrassingly Parallel Processing in R," with Christopher F. Parmeter, *Journal of Applied Econometrics*, 2013, 28 (7), 1224-1230.
23. "A Smooth Coefficient Model of Carbon Emissions" *Empirical Economics*, 2013, 45 (3), 1049-1071.
24. "Productivity in China's High Technology Industry: Regional Heterogeneity and R&D" with Rui Zhang, Kai Sun and Subal C. Kumbhakar, *Technological Forecasting and Social Change*, 2012, 79, 127-141.
25. "Another Round of Fraternity Membership and Binge Drinking," with Lori B. Anderson, *Journal of Economic and Social Measurement*, 2010, 35, 129-147.

## Book Chapters

1. "Fixed versus Random: The Hausman Test Four Decades Later" with Shahram Amini, Daniel J. Henderson and Christopher F. Parmeter, *Advances in Econometrics: Essays in Honor of Jerry Hausman*, 2012, 29, 479-513.

## Policy Briefs

1. "Quantifying the Risks of Underground Natural Gas Storage" with Michaela Jellicoe, *National Agricultural and Rural Development Center (NARDeP)*, Brief 24, June 2014.

## **In Submission**

1. “Pixel Level Cropland Allocation and the Marginal Impacts of Biophysical Factors,” with Jingyu Song, Paul V. Preckel and Nelson B. Villoria.
2. “The Economic Implications of Social Capital on Hispanic Entrepreneurship,” with Ariana P. Torres and Maria I. Marshall, *revise and resubmit*.
3. “Third Party Verification and the Effectiveness of Voluntary Pollution Abatement Programs: Evidence from Responsible Care” with Martina Vidovic and Neha Khanna.
4. “Good News for Environmental Self-Regulation? Finding the Right Link,” with Yanbing Wang, Neha Khanna and Vicki L. Bogan.
5. “Smooth Coefficient Models with Endogenous Environmental Variables,” with Deniz Ozabaci, Yiguo Sun and Subal C. Kumbhakar.
6. “On the Efficacy of OER Materials: How do Students Fare?” with Huimei Delgado and John Hilton.

## **In Progress**

1. “Hybrid Vehicles and Household Behavior: Implications for Miles Traveled and Gasoline Consumption,” with Shanxia Sun and Neha Khanna.
2. “Socially Responsible Investing and Cost of Equity Capital,” with Yanbing Wang and Jin Xu.

## **Awards**

Article of the Year, *Agricultural and Resource Economics Review*, 2015  
Faculty advisor for Best Master’s Thesis in Agricultural Economics, 2014  
Purdue College of Agriculture International Travel Grant, 2013, 2015  
Graduate Student Excellence in Research Award, Binghamton, 2011-2012  
Nominee for Graduate Student Excellence in Teaching Award, Binghamton, 2011-2012  
AAEA Young Professional and Graduate Student Travel Grant, 2011  
Graduate School Travel Grant, Binghamton, 2010, 2011  
Clark Graduate Fellowship Travel Grant, Binghamton, 2010  
Department of Economics Travel Grant, Binghamton, 2009, 2010, 2011  
Clark Graduate Fellowship, Binghamton, 2008-2012

## **Seminar Presentations**

Department of Agricultural Economics, Kansas State University, 2017  
Department of Economics, Fordham University, 2016  
International Food Policy Research Institute, Washington D.C., 2015  
Department of Agricultural Economics, Huazhong Agricultural University, Wuhan, China, 2015  
Department of Agricultural Economics, China Agricultural University, Beijing, 2015  
Department of Economics, Finance and Legal Studies, University of Alabama, 2015  
Department of World Economics, Wuhan University, Wuhan, China, 2015  
Department of Economics and Finance, Hebei Finance University, Baoding, China, 2014

Department of Agricultural Economics, Zhejiang University, Hangzhou, China, 2013  
Department of Agricultural Economics, Renmin University, Beijing, China, 2013  
Department of Economics, Beihang University, Beijing, China, 2013  
Department of Agricultural Economics SHaPE Brownbag, Purdue University, 2013  
Department of International Economics and Trade, Beihang University, China, 2012  
Department of Agricultural Economics, Purdue University, 2012  
Department of Economics, Drexel University, 2011  
Department of Economics, University of Miami, 2011

### **Conference Presentations**

AAEA Annual Conference, Chicago, IL, 2017  
8th Annual CAER-IFPRI Conference, Fuzhou, China, October 2016  
NARSC Annual Conference, Portland, November 2015  
7th Annual CAER-IFPRI Conference, Linan, China, October, 2015  
EAERE Summer Conference, Helsinki, June 2015  
Emerging Scholars Workshop, American Enterprise Institute, Washington, D.C., February 2015  
IAEE Annual Conference in Asia, Beijing, China, September 2014  
AAEA Annual Conference, Washington D.C., August 2013  
Asian Meeting of the Econometric Society, Singapore, July 2013  
Western Economics Association Conference, Seattle, WA, July 2013  
China Meeting of the Econometric Society, Beijing, China, June 2013  
AERE 3rd Annual Summer Conference, Banff, Canada, June 2013  
ASSA Annual Conference, Chicago, IL, January 2012  
Southern Economics Association Conference, Washington, D.C., November 2011  
Midwest Econometrics Group Conference, University of Chicago, October 2011  
Joint AAEA and NAREA Annual Meeting, Pittsburgh, PA, July 2011  
AERE Inaugural Summer Conference, Seattle, WA, June 2011  
Eastern Economics Association Conference, New York, NY, February 2011  
12th Annual University of Colorado ERE Workshop, Vail, CO, September 2010

### **Other Conference Participations**

Discussant, NARSC Annual Conference, Minneapolis, MN, November, 2016  
Discussant, 8th Annual CAER-IFPRI Conference, Fuzhou, China, October, 2016  
Session Panelist, AAEA Annual Meeting, Boston, MA, July, 2016  
Attendance by Invitation, NBER Workshop on Poverty Traps, Washington D.C., 2016  
Discussant, 7th Annual CAER-IFPRI Conference, Linan, China, October, 2015  
Session Chair, European AERE Summer Conference, Helsinki, June 2015  
Discussant, Western Economics Association Conference, Seattle, WA, July 2013  
Discussant, China Meeting of the Econometric Society, Beijing, China, June 2013  
Session Chair and Discussant, SEA, Washington D.C., November, 2011  
Discussant, EEA, New York, NY, February, 2011

### **Other Conferences Attended**

\* indicates research presented by student collaborator

SAEA Annual Conference, Mobile, AL, February 2017  
AAEA Annual Conference\*, San Francisco, CA, July 2015  
AERE Summer Conference\*, San Diego, CA, June 2015  
AAEA Annual Conference\*, Minneapolis, MN, July 2014  
ASSA Annual Conference, San Diego, CA, January 2013  
Heartland ERE Workshop, Urbana-Champaign, IL, November 2012  
New York Camp Econometrics V, Blue Mountain Lake, NY, October 2010  
Midwest Econometrics Group, Purdue University, September 2009

## Teaching Experience

### *Purdue University*

Principles of Macroeconomics, 2014-present  
Applied Econometrics (PhD), 2014-present  
Applied Nonparametric Econometrics (PhD), 2016  
SHaPE Graduate Seminar (MS, PhD), 2013-present  
Welfare Economics (PhD), 2013

### *Binghamton University*

Environmental Economics, 2011, 2012  
Statistical Methods, 2010, 2011  
Natural Resource Economics, 2010 (TA)  
Environmental Economics, 2010 (TA)  
Principles of Microeconomics, 2009 (TA)

## Student Supervision

### *Ph.D. Supervision*

Courtney Bir (committee member)  
Tim Smith  
Jixuan Yao  
Elizabeth Dobis, 2017 (co-chair with R. Florax)  
Ayoung Kim, 2017 (co-chair with R. Florax)  
Jingyu Song, 2017 (co-chair with P. Preckel)  
Yanbing Wang, 2017 (co-chair with H. Wang)  
Shanxia Sun, 2016 (co-chair with J. Sesmero)  
Ariana Torres, 2016 (committee member)  
Abdoulaye Ibrahim Mahamane Djido, 2014 (committee member)  
Samiul Haque, 2014 (committee member)  
Jing Liu, 2014 (committee member)

### *M.S. Supervision*

Marieke Fenton, 2017 (committee member)  
Stephen Lira, 2017 (committee member)  
Chun Song, 2017 (committee member)  
Rachel Wang, 2017  
Nagisa Ishinabe, 2015 (committee member)  
Michaela Jellicoe, 2014

Winner of Best MS Thesis in Agricultural Economics at Purdue in 2014  
Jacqueline Holland, 2014 (committee member)  
Jinho Jung, 2014 (committee member)

## **Reviewer For**

*Agricultural and Resource Economics Review, Agricultural Economics, American Journal of Agricultural Economics, Applied Economics Letters, Applied Economic Perspectives and Policy, Applied Mathematical Modeling, Bulletin of Economic Research, China Agricultural Economic Review, Economic Inquiry, Economics Letters, Economic Systems, Econometrics, Educational Research and Reviews, Empirical Economics, Energy Economics, Energy Policy, Food Policy, Journal of Agricultural and Resource Economics, Journal of the Association of Environmental and Resource Economists, Journal of Economic Growth, Journal of Human Capital, Journal of Regional Science, Resource and Energy Economics, The Energy Journal, Kansas NSF EPSCoR, Purdue Extension, Oxford University Press, SSRHC Canada*

## **Professional Memberships**

Agricultural and Applied Economics Association, 2011-present  
Association of Environmental and Resource Economists, 2010-present  
International Association of Energy Economics, 2014  
Econometric Society, 2011  
Eastern Economics Association, 2011  
Southern Economics Association, 2011

## **Professional Service**

Guest Editor, *Chinese Economy*, with H. H. Wang and S. Jin, 2015  
AAEA Topic Leader, Econometrics Section, 2014, 2016, 2017  
AAEA Abstract Reviewer, 2014, 2015

## **University Service**

### *Purdue University*

Agricultural Economics Department Head Search Committee, 2016  
Agricultural Economics Graduate Committee, 2015-2017  
Agricultural Economics Prospectus Committee, Outside Examiner, 2014, 2015  
Agricultural Economics Department Seminar Committee, 2014  
Faculty Judge, Best Dissertation in Agricultural Economics, 2014  
Agricultural Economics Department Computer Committee, 2013  
Written Preliminary Exam Grading Committee, 2013  
Oral Preliminary Exam Committee, 2013  
Faculty Judge, Synder Memorial Lecture Student Poster Competition, 2013

### *Binghamton University*

Graduate Student Welcome Reception, 2008-2011  
Graduate Student Economics Department Evaluation Committee, 2008

## References

References available upon request.