

JINGZE JIANG

6824 Townsend Dr.
Erie, PA 16505

Phone: (509) 432-3080
E-mail: samanthajiang2011@gmail.com
Webpage: www.jingzejiang.com

EDUCATION

Ph.D. Economics, Washington State University, 2013
M.S. Statistics, Washington State University, 2013
B.A. Finance, Shanghai University, 2009

RESEARCH INTEREST

Econometrics, Industrial Organization, Behavioral Economics, Risk Quantification and Management, Energy Financial Economics, Natural Resources Economics, Environmental Economics,

EXPERIENCE

Associate Professor, Department of Business and Economics, School of Business, Edinboro University of Pennsylvania (EUP), 2018.8-present
Assistant Professor, Department of Business and Economics, School of Business, Edinboro University of Pennsylvania (EUP), 2013.8-to 2018.7
Instructor, School of Economic Sciences, Washington State University (WSU), Summer 2011

HONORS AND AWARDS

1. Nominee as *the university Scholar of the Year*. Edinboro University of Pennsylvania, 2016
2. Teaching Online Certification Course (TOCC) Certificate, 2014
3. *NIFA Partnership Award for Innovative Programs and Projects* from the National Institute of Food and Agriculture, 2013
4. Nominee as *the university Faculty of the Year*. Edinboro University of Pennsylvania, 2013.
5. *Two Awards for Excellence in Teaching* Honored by the Dr. Robert C. Weber Honor Program, Edinboro University of Pennsylvania, 2013
6. *Graduate & Professional Student Association (GPSA) Registration Grant Award*, Washington State University, 2012.

PEER-REVIEWED PUBLICATIONS

1. **Jiang, J.** and Marsh, L.T. (2020) "Volatility Spillover Effects and Cross Hedging in the U.S. Oil Market and the Energy Pipeline Sector Index" in "[Handbook of Energy Finance: Theories, Practices and Simulations](#)", eds. S. Goutte, D.K. Nguyen, World Scientific Publishing. *Forthcoming* (Lead author)
2. **Jiang, J.**, & Fortenbery, T. R. (2019). "[El Niño and La Niña induced volatility spillover effects in the U.S. soybean and water equity markets](#)". *Applied Economics*, 51(11), 1133-1150. ABDC Ranking: A (Lead author)
3. **Jiang, J.** (2016). "[Peer Pressure in Voluntary Environmental Programs: a Case of the Bag Rewards Program](#)." *Journal of Industry, Competition and Trade* 16(2): 155-190 ABDC Ranking B

4. **Jiang, J.**, Marsh, T. L., & Tozer, P. R. (2015). "[Policy induced price volatility transmission: Linking the US crude oil, corn and plastics markets](#)". *Energy Economics*, 52, 217-227. ABDC Ranking A* (Lead author)

PAPERS IN PROGRESS

1. **Jiang, J.**, Marsh, L.T. and Belasco, E. "Optimizing Microplastic Pollution in the Soil: A Case of Plastic Mulches"
2. **Jiang, J.** " The Environmental Policy Induced Persistence Risk: Impulse Response Analysis of China's Plastics Bans in Oil, Plastics and Exchange Markets "
3. **Jiang, J.** "Beyond the Plastic Bans: The Impact of the Chinese Plastic Bans on Risk Transmissions among Chinese Plastics, Oil and Currency Markets"
4. **Jiang, J.** and Wetzstein, M. "Public Institution Evaluation of Solar Adoption: A Real Options Analysis"
5. **Jiang, J.** "Developing Renewable Energy to Reduce Volatility on Domestic Energy Market"

RESEARCH GRANTS

Principal Investigator (PI), Project "*Partnering with the Erie, Pennsylvania hospitality industry to reduce amounts of single-use food-related trash items (RESILIENT)*" (Submitted). \$327,488.94 (Federal Grant) Feb.2020-present

Funding source: FY2020 Marine Debris Prevention

Collaborating Agents: Regional Science Consortium, Erie Department of Planning, Erie Department of Health

Business Partners: Scott Enterprises, Lesko Enterprises, Chartwells Dining Services, the Juice Jar

Principal Investigator (PI), Project "*Revitalizing Older Industrial Cities by Developing Renewable Energy Related Small Business*" (Awarded). \$1,297 2018-present

Funding source: University Senate Research Committee Grant

Principal Investigator (PI), Project "*Choosing a Cost-Effective Sustainability Portfolio: Case Study of Edinboro University of Pennsylvania*" (Completed). \$736.12 2014-2015

Funding source: University Senate Research Committee Grant

Collaborating Agent: Department Physics and Technology at Edinboro University
Collaborated with the Physics and Technology Department, Edinboro University of Pennsylvania

Participant, Project "*Biodegradable Mulches for Specialty Crops Produced Under Protective Covers*" (Completed) \$2,000,000 (Federal Grant) 2011-2013

Funding source: National Institute of Food and Agriculture, U.S. Department of Agriculture, under award numbers 2009-51181-05897 and 2014-51181-22382.

RESEARCH GRANT UNDER REVISION

Principal Investigator (PI), Project "Market Mechanism Design: Monetary Incentive Programs to Form Non -Plastic-Bag Shopping Norm" (National NGO Grant) Aug. 2018

Funding source: Environmental Research & Education Foundation (EREF)

Participant, Project “*Live Plastic Free*” (under revision) \$132,000 (Federal Grant) Dec. 2017
Funding source: NOAA Marine Debris Program
Collaborating Agent: Environment Erie

Principal Investigator (PI), Project “EU Education and Environment Enrichment Programs” (under revision) \$ 55,940 (Regional External Grant) Nov. 2017
Funding source: Erie Insurance Giving Network

Collaborator, Project “Cost-Effective Internal Thermal and Moisture Insulation Envelope Home Improvement Rd&D Projects” (under revision) \$150,000 (Federal Grant) Nov. 2015
Funding source: Department of Energy (DOE), Office of Energy Efficiency and Renewable Energy, FOA Number: DE-FOA-0001395
Collaborating Agents: Pen State University-Erie campus, Gannon University

SELECTED PEER-REVIEWED CONFERENCE PRESENTATIONS

1. **Jiang, J.** “The Environmental Policy Induced Persistence Risk: Impulse Response Analysis of China’s Plastics Bans in Oil, Plastics and Exchange Markets” 2020 Agricultural and Applied Economics Association (AAEA) Conference, Kansas City, MO, July 2020. (National Conference) Scheduled
2. **Jiang, J.** “*Beyond the Plastic Bans: the Impact of the Chinese Plastic Bans on Risk Transmissions among Chinese Plastics, Oil and Currency Markets*”. Southern Economic Association 2018 Annual Meeting. Washington DC. Nov, 2018 (Regional Conference)
3. **Jiang, J.** “*A Real Options Evaluation for Solar Power Adoption under Uncertainty: a Case of Public Institutions at Northwest Pennsylvania*” Southern Economic Association 2017 Annual Meeting. Tampa, FL, Nov. 2017. (Regional Conference)
4. **Jiang, J.** “*El Niño and La Niña Induced Volatility Spillover Effects and Cross Hedging in U.S. Soybean and Equity Markets*” Southern Economic Association 2016 Annual Meeting. Washington DC, Nov. 2016. (Regional Conference)
5. **Jiang, J.** and Marsh, L.T. “*Volatility Spillover Effects and Cross Hedging in the U.S. Oil Market and the Energy Pipeline Sector Index*” (Presented as a poster) 2016 Agricultural and Applied Economics Association (AAEA) Conference, Boston, MA, July 2016. (National Conference)
6. **Jiang, J.,** Marsh, L.T. and Tozer,P. “*Policy Induced Price Volatility Transmission: Linking the U.S. Crude Oil, Corn and Plastics Markets,*” (Presented as a poster) 2014 Agricultural and Applied Economics Association (AAEA) Conference, Minneapolis, MN, July 2014. (National Conference)
7. **Jiang, J.,** Marsh, L.T. and Tozer,P. “*Risk Spillover in the U.S. Crude Oil, Corn and Plastics markets,*” International Conference On Applied Business And Economics (ICABE) , New York, NY, Oct. 2013. (International Conference)
8. **Jiang, J.** “*Bandwagon Effects on Participation in Voluntary Environmental Programs: A Case of Plastic Bags Reduction,*” International Conference on Applied Business And Economics (ICABE), New York, NY, Oct. 2013. (International Conference)
9. **Jiang, J.** “*Voluntary Rewards for Consumers’ Participation in Green Practices: A Case of Plastic Bags Reduction,*” Pacific Northwest Regional Economic Conference (PNREC), Spokane, WA, May 2013. (Regional conference)

SEMINARS

1. **Jiang, J.** "Volatility Spillover Effects and Cross Hedging in the U.S. Oil Market and the Energy Pipeline Sector Index" Business School, Shandong University of Technology, Shandong, China, June, 2018
2. **Jiang, J.** and Marsh, L.T. "*Volatility-Spillover Effects from Financial and Oil Market to the U.S. Pipeline Sector,*" Business and Economics Department Research Symposium, Edinboro, PA, April 2016.
3. **Jiang, J.** "*Bandwagon Effect on Plastic Shopping Bag Reduction: Rewards or Ban?*" Business and Economics Department Research Symposium, Edinboro, PA, April 2014.
4. **Jiang, J.** "*Voluntary Rewards for Consumers' Participation in Green Practices: A Case of Plastic Bags Reduction,*" School of Economic Sciences Seminar, Pullman, WA, Feb. 2013.
5. **Jiang, J.,** Marsh, L.T. and Belasco, E. "*Optimal Pollution Control in Agricultural Production: Biodegradable vs. Plastic Mulches: General Model and Application in the Plastic Mulches,*" University of Tennessee, Knoxville, TN, Mar. 2012.

DISCUSSANT

1. Smith, B. and Wagner, J. "*Adjusting for guessing and applying a statistical test to the disaggregation of value-added learning scores*" Southern Economic Association 2017 Annual Meeting. Tampa, FL, Nov. 2017.
2. Neves, M., Silva, F., and Braga, M. "*The Effect of Cooperative Membership on Agricultural Profit in the Brazilian South and Southeast Regions*" Southern Economic Association 2016 Annual Meeting. Washington D.C., Nov. 2016.
3. Gevorkyan, A "*Climate Change and Agricultural Production: Policies, Reserves and Weather Derivatives,*" Southern Economic Association 2015 Annual Meeting, New Orleans LA, Nov. 2015.
4. Jung, J. and Streeter, J. "*Does Health Insurance Decrease Health Expenditure Risk in Developing Countries? The Case of China,*" 2014 Pennsylvania Economic Association (PEA) Conference, Edinboro, PA, May 2014.
5. Jozefowicz, J. and Nelson, Z.T. "*Keystone Cops' and Crime Theories: A Panel Data Analysis of Pennsylvania County Crime Rates,*" 2014 Pennsylvania Economic Association (PEA) Conference, Edinboro, PA, May 2014.
6. Park, K. "*Post-Monitoring of Energy Efficiency Labeling Program: The Case of Korea,*" Southern Economic Association 2012 Annual Meeting, New Orleans LA, Nov. 2012.

TEACHING EXPERIENCE

- Money and Banking • Business in Society • Elements of Economics
- Principles of Macroeconomics • Principles of Microeconomics,
- Statistics for Business and Economics • Fundamentals of Macroeconomics
- Ph.D. Econometrics • Ph.D. Macroeconomic Theory
- Advanced Business Management Economics • Introduction to Farm and Ranch Management
- **New Course Developed**
 - Globalization and China's Business and Economics Development

MEDIA COVERAGE

"Asian Americans" Live Screening and Panel Discussion", June 11, 2020, hosted by WQLN, Erie Art&Culture

“How universities are adjusting to online learning” Mar 26, 2020, YourErie.com
 “AOC's Green New Deal at the center of most recent 'Uncomfortable Conversations' panel”, April 24th, 2019, EdinboroNow
 “Edinboro Professor co-chairing federal reserve contest”, April 17th, 2019, EdinboroNow
 “Edinboro University students help launch glass recycling survey”, April 7th 2019, Erie News Now
 National Podcast Women Really Mean Business Series “Perseverance Through Failure Equals Success”, Apr 12, 2019
 “Women's Empowerment Panel 5.0' features influential figures in the regional workforce”, April 3rd, 2019, EdinboroNow
 “ Karl Marx Makes lasting impression”, November 14th, 2018, EdinboroNow
 “Women’s empowerment panel: Local leaders bring advice to business students”, April 4th, EdinboroNow
 “The birth of bitcoin and its rise popularity”, March 21st, 2018, EdinboroNow
 “Google this: How to grow a business”, October 29, 2017, Erie Times-News

ACADEMIC & COMMUNITY SERVICE

Professional Services:

Referee

Energy Economics
PLOS ONE
Cogent Economics and Finance
International Journal of Financial Studies
Entropy
Waste Management,
Latin American Research Review
Sustainability

University-wide Services:

University Strategic Planning member, External Relation Team Since September, 2019
Panelist, Edinboro University Uncomfortable Conversation: the Green New Deal April 2019
Panelist, Edinboro University Karl Marx at 200: More Alive Than Ever? Nov. 2018
Guest Lecturer, One-Child Policy for honor class April, 2019
Moderator, Scholarship: Who? What? When? Where? Why? And How? Hosted by Center for Faculty Excellence (CFE) November 28 and 29, 2017
Task Force member, Mission, Vision and Values Task Force (2017- 2018)
One of four Delegates, visiting five universities in China with the Provost to establish a working partnership, May 2016
International Student Adviser, Edinboro University of Pennsylvania (Fall 2013-Spring 2019)
Judge, Poster Competition in Celebration of Scholarship of Edinboro University of Pennsylvania, Edinboro, PA, 2014, 2015, 2016
Organizer, Annual Women in Business Panel Discussion
Adviser, Sustainability and Humanity Club

Community Services:

Reviewer, 2020 Agricultural & Applied Economics Association
Reviewer, 2020 American Association for the Advancement of Science Conference
Chair, Federal Reserve Bank of Cleveland Undergraduate Research Conference, Since 2019
Consultant, Schaffner, Knight, Minnaugh, November 2019

Panelist, Green New Deal Event hosted by Department of Sociology, the Green New Deal Coalition Erie, the Green New Deal Coalition Meadville, Young Democrats of Erie County November 18th, 2019
China Representative, Erie Asian Pacific American Association, *summer and fall* 2019
Organizer, Workshop: International Trade, Shandong University of Technology, Shandong, China, May 2019
Organizer, Workshop: China-US Students' Workshop for Economic Development, Shanghai University, May 2019
Board member, Environment Erie, 2019-2020
Co Chair, Federal Reserve Bank of Cleveland Undergraduate Research Conference, 2018-2019
Board member, ATHENA Erie, since 2018
Committee member, Outstanding Research Publication for the Western Agricultural Economics Association, 2017
Consultant, Solar Revolution, LLC, 2017-2018
Consultant, PlaneSense, Inc. April 2017
Judge, 5th Annual Resilient Erie Stewardship Summit, Erie, PA, November 15th, 2017
Co-director for Startup Grind powered by Google for Entrepreneurs-Eire 2017-2018
Graduation Guest Speaker, School of Economics, Shanghai University, Shanghai, China, 2016 summer
Judge, STEM Commercialization Plan and STEM Business Plan Competitions hosted by Believe in Ohio, 2015, 2016
Member, Northwest Pennsylvania Green Economy Taskforce (NWPAGE), Erie, PA, 1. 2014-to present

PROFESSIONAL MEMBERSHIPS

Global Association of Risk Professionals (GARP)
American Association for the Advancement of Science (AAAS)
Association of Environmental and Resource Economists (AERE)
American Economic Association (AEA)
Agricultural & Applied Economics Association (AAEA)
Southern Economic Association (SEA)
AAEA-Teaching, Learning, and Communications Section (TLC)
AAEA-Committee on Women in Agricultural Economics (CWEA)
AAEA-Land, Water and Environmental Economics Section (ENV)
AAEA-Applied Risk Analysis section (ARA)

OTHER SKILLS

Computer Skills: MATLAB, SAS, RATS, EViews, GAUSS, STATA, SPSS, LaTeX, Microsoft Office
Languages: Fluent in English, Native in Chinese

REFERENCES

References available upon request