

Biography

Carmen Carrión Flores is Research Assistant Professor in the Department of Economics at the Maxwell School of Citizenship and Public Affairs of Syracuse University. Before joining Syracuse, she held faculty positions at Binghamton University and the University of Florida. She holds an undergraduate degree from the Monterrey Institute of Technology (Mexico), a M.S. from The Ohio State University, and M.A. and Ph.D. degrees in Economics from the University of Arizona.

Dr. Carrión Flores is an internationally recognized researcher in environmental, natural resources, energy efficiency, land use change, sustainability, innovation, and economic development. She uses spatial and dynamic econometric models to analyze the relevant effects of environmental, natural resources, energy, and climate policies on outcomes, such as energy use, sustainability, and pollution. A critical aspect of her research is to tackle relevant policy questions using an interdisciplinary approach.

Dr. Carrión Flores has received funding for interdisciplinary research projects from agencies such as the National Science Foundation, the Environmental Protection Agency, and the U.S. Department of Agriculture. Most recently, Carrion Flores is an investigator in a 60-million multi-university project that aims to increase supply and demand for climate-smart commodities produced and manufactured in New York state, supported by a grant from the USDA's partnership for Climate-Smart Commodities.

Her research has been published in disciplinary and interdisciplinary academic journals such as the Journal of Environmental Economics and Management, the American Journal of Agricultural Economics, Ecological Economics, Regional Science and Urban Economics, and IZA Journal of Migration and Development.

Curriculum Vitae

CARMEN E. CARRION FLORES

CONTACT INFORMATION:

Economics Department
Syracuse University
119 Eggers Hall
Syracuse, NY 13244
Phone: 315.443.3717
Email: cecarrio@syr.edu
Homepage: <https://ccarrion-flores.weebly.com/>
Google Scholar: <https://bit.ly/2s7tTTd>
Personal: United States Citizen

EDUCATION

- Ph.D., Economics. *The University of Arizona*. May 2007. Dissertation Title: "Three Essays in Applied Microeconomics". Co-Advisors: Robert Innes and Ronald L. Oaxaca
- M.A., Economics. *The University of Arizona*. May 2003
- M.S., Agricultural Economics. *The Ohio State University*. May 2001. Thesis Title: "A Spatial Economic Model of Residential Land Use Change for Medina County, Ohio". Advisor: Elena Irwin. Committee: Larry Libby
- B.A., Economics. *Instituto Tecnológico y de Estudios Superiores de Monterrey*, May 1997. Graduated with Honors.

EMPLOYMENT

- Research Assistant Professor*, Department of Economics, Maxwell School of Citizenship and Public Affairs, Syracuse University. 2017 – present.
- Senior Research Associate*, Dynamic Sustainability Lab, Syracuse University. 2021 – present.
- Director of Undergraduate Studies*. Department of Economics, Maxwell School of Citizenship and Public Affairs, Syracuse University. 2019 – 2022.
- Senior Research Associate*, Center for Policy Research, Syracuse University. 2018 – present.
- Assistant Professor*, Department of Economics, University of Binghamton SUNY. 2011 – 2017.
- Affiliate Faculty*, Environmental Studies Program, University of Binghamton SUNY. 2011 – 2017.
- Assistant Professor*, Food and Resource Economics Department, University of Florida. 2007 – 2011.
- Affiliate Faculty*, Center for Latin American Studies, University of Florida. 2007 – 2011.
- Affiliate Faculty*, Program for Resource Efficient Communities, University of Florida. 2007 – 2011.
- Affiliate Faculty*, School of Natural Resources and Environment, University of Florida. 2007 – 2011.
- Affiliate Faculty*, Carbon Resources Science Center, University of Florida. 2007 – 2011.
- Graduate Research Assistant*, Department of Agricultural Economics, University of Arizona. 2002 – 2006,
- Graduate Research Assistant*, Department of Agricultural, Environmental, and Development Economics, The Ohio State University. 1999 – 2001.

Research Assistant, Department of Economics, Monterrey Institute of Technology, ITESM, Campus Monterrey. Mexico. 1995 – 1997.

OTHER EXPERIENCE

Visiting Scholar. Luxembourg Institute of Socio-Economic Research. Summer 2012.

FELLOWSHIPS, HONORS AND AWARDS

Keynote Speaker at the 16th Workshop on Spatial Econometrics and Statistics, Avignon, France. 2017.

Keynote Speaker at the research group in Space, Health, and Population Economics (SHaPE), Purdue University, 2015.

George W. Coleman Scholarship. Department of Economics. The University of Arizona. 2004 and 2005.

ITESM, Campus Monterrey. Merit Scholarship. 1994 – 1997.

SELECTED POLICY PRESENTATIONS.

XI Encuentro Internacional Capital Humano, Crecimiento, Pobreza: Problemática Mexicana. Monterrey, Mexico, October 2020.

The Urban Divide in Latin America, Challenges and Strategies for Social Inclusion. Center for Latin America Studies. University of Florida Gainesville, FL. 2009.

US-German Conference “Tough Choices – Land under a changing climate” Federal Ministry of Education and Research, DFG and NSF. Berlin, Germany. 2008.

MEDIA CITATIONS

Interview on the local television news (Fox 40 news, WICZ-TV) regarding new research on the capitalization of Energy Star homes in Florida. (Aired: 11/07/2014)

Research cited in the news section of Phys.org (<https://phys.org/news/2014-10-exploring-energy-star-homes.html>)

RESEARCH

Refereed Journal Articles

Carrión-Flores, Carmen, Alfonso Flores-Lagunes and Ledia Gucci (2018) “An Estimator for Discrete-Choice Models with Spatial Lag Dependence Using Large Samples, with an Application to Land-Use Conversions.” *Regional Science and Urban Economics*, 69(2):77-93.

Carrión-Flores, Carmen E. (2018) “What makes you go back home? Determinants of the duration of migration of Mexican immigrants in the US.” *IZA Journal of Development and Migration*, 8(3).

Carrión-Flores, Carmen and Elena Irwin (2017). “The Effect of Minimum Lot Zoning on Rural Land Conversion.” *Annals of Regional Science*, 58(1), 181-208.

Li, Huan and Carmen Carrión-Flores (2017). “An Analysis of the ENERGY STAR® Program in Alachua County, Florida.” *Ecological Economics*, 131(1):98-108.

Bruegge, Chris, Carmen Carrión-Flores and Jaren C. Pope (2016). “Does the Housing Market Value Energy Efficient Homes? Evidence from the Energy Star Program.” *Regional Science and Urban Economics*, 57(2): 63-76.

Carrión-Flores, Carmen, Robert Innes and Abdoul G. Sam (2013) "Do Voluntary Pollution Reduction Programs (VPRs) Spur or Deter Environmental Innovation? Evidence from 33/50." *Journal of Environmental Economics and Management*, 66(3): 444-459.

Carrión-Flores, Carmen and Robert Innes (2010). "Environmental innovation and environmental performance." *Journal of Environmental Economics and Management*, 59(1): 27-42.

Carrión-Flores, Carmen and Elena Irwin (2010). "Identifying Interaction Effects among Spatially Distributed Agents: An Application of Land Use Spillovers." *Resource and Energy Economics*, 32(2): 135-153.

Carrión-Flores, Carmen and Elena Irwin (2004). "Determinants of Residential Land Use Conversion and Sprawl at the Rural-Urban Fringe." *American Journal of Agricultural Economics*, 86(4): 889-904.

Editor-Reviewed Articles

Carrión, Carmen (2005) "Implications of Climate Variability and Water Supplies for Tribal Water Settlements". In Negotiating Tribal Water Rights. Fulfilling Promises in the Arid West, Colby, B.G., J. E. Thorson, and S. Britton, Eds. University of Arizona Press.

Abstracts

Carrión-Flores, Carmen and Elena Irwin (2009) "Identifying Land-Use Conversion Patterns, the Effect of Zoning on Rural Land Conversion, and Land-Use Spillovers". US-German Conference "Tough Choices – Land under a changing climate" Federal Ministry of Education and Research, DFG and NSF. Berlin, Germany, October, 2008.

Book Reviews

Carrión-Flores C (2006) Economics and Land Use Planning by Alan W. Evans, *Papers in Regional Science* 85(1):165-167

Research Bulletins

Carrión, Carmen and Elena Irwin (2001) "Understanding the Spatial Pattern of Urbanization in Medina County, Ohio. A summary of recent research findings." A shorter version appeared in the Ohio Sea Grant Twin Line Newsletter, May/June 2001 issue.

Libby, Larry and Carmen Carrión-Flores (2000) Development Impact Fees: A Primer. Department of Agricultural, Environmental and Development Economics Working Paper – AEDE – WP 0022-01. The Ohio State University. A version appeared in the Fact Sheets section of Ohioline. The Ohio University Extension. #CDFS-1558-04

Working Papers

"A Distributional Analysis of the Prices and Energy Consumption of Energy Star Homes"

"Fleeing hometowns for safety: The short run effect of crime on migration in Mexico"" (with Isai Guizar)

"The Effect of Workplace Inspections on Worker Safety and Air Emissions" (with Ling Li and Yijing Chen)

"Natural Disasters and Institutional Strength: A Longitudinal Analysis of the Small Island Developing States in the Caribbean Basin" (with M. Silbert and M.P. Useche)

“Spatial Multinomial Logit Model of Spatial Interactions and Land Use Conversion” (with E. Irwin and D. Wrenn)

“The Effects of Border Enforcement on Migrants, Border Crossing Choice: Diversion or Deterrence?” (with T. Sorensen)

RESEARCH FUNDING EFFORTS AND CONTRACTS

Funded

USDA. “NYS Connects: Climate Smart Farms and Forests” New York State, Department of Conservation. Funded Amount: 60 million. 2023

Syracuse University Research Grant. “The Zero Carbon Economy” Innovative and Interdisciplinary research Grant. CUSE grant. Funded amount: \$30,000. 2022

SUNY Research Foundation. “Understanding and Overcoming Barriers to Communication” (with various researchers from SUNY; funded amount: \$35,873 for Binghamton University)

Funds National de la Recherche “Impacts of Environmental Technologies on Labor Demand” (funded amount: €7,500), Luxembourg. PI, Summer 2012

Environmental Protection Agency (EPA) “Workshops on Voluntary Pollution Control Initiatives” 2011-2012 (funded amount: \$74,728). Co-PI

USDA “Using a Hedonic model to assess the Value of Urban Forests in Florida” 2010 (funded amount: \$4,476); US Department of Agriculture, Forest Division. PI

The Green Building Initiative Research Grant “Dynamic community energy consumption baselines” 2009 (funded amount: \$15,000); Sub-contractor for DePaul University. The Green Building Initiative Inc. Co-PI

The Green Building Initiative “Energy Star price analysis” 2009 (funded amount: \$11,000); Sub-contractor for DePaul University. The Green Building Initiative Inc. Co-PI

University of Florida Research Grant “Adoption of New Food Products: An Experimental Investigation of the Impact of Word of Mouth Advertising and Social Networks” 2008 (funded amount: \$34,000) IFAS Research Innovation Fund, 2007 Co-PI

Not Funded

“NRT: Transdisciplinary Approaches to Improved Electrical Energy Storage and Utilization” (with various researchers from Binghamton University; not funded; amount \$2,999,999.93), National Science Foundation.

“NRT-Energy Storage and Utilization for Multi-Scale Electronic Applications” (with various researchers from Binghamton University; not funded; amount \$3,000,000.16), National Science Foundation.

“NRT-Trans-disciplinary Energy Storage and Utilization for Multi-Scale Electronic Applications” (with various researchers from Binghamton University; not funded; amount \$2,999,980.76), National Science Foundation.

“Integrated Systems for Urban Energy Symbiosis Sustainability Research Network” (with various researchers from Binghamton University; not funded; amount \$1,326,834.96), National Science Foundation.

“Neighborhood-Scale Microgrids with High Voltage DC Solar Panels” (with various researchers from Binghamton University; not funded; amount \$66,000), SUNY Research Foundation.

“How Climate Change May Influence Water Quality and Quantity; and their management in the Northeast” (with various researchers from SUNY; not funded; amount \$33,000 for Binghamton University), SUNY Research Foundation.

SCHOLARLY PRESENTATIONS

Invited Presentations

- XV Encuentro Internacional Capital Humano y Crecimiento. Monterrey, Mexico, October 2020.
- XIV Encuentro Internacional Capital Humano y Crecimiento. Monterrey, Mexico, October 2019.
- National Socio-Environmental Synthesis Center (SESYNC) Distinguished Scholar, Immersion Program in Economics, Annapolis, MD, USA February 2018.
- Keynote Speaker at the 16th Workshop on Spatial Econometrics and Statistics, Avignon, France. May 2017
- University of Alabama (Department of Economics, Finance, and Legal Studies), November 2016.
- University of Georgia (Department of Agricultural and Applied Economics), April 2016.
- Purdue University, Keynote Speaker at the research group in Space, Health, and Population Economics (SHaPE), April 2015
- Centre d’Etudes, de Populations, de Pauvreté et de Politiques Socio-Economiques/International Network for Studies in Technology (CEPS/INSTEAD), Environment, Alternatives, Development, August 2012.
- Binghamton University, SUNY (Department of Economics), February 2011.
- University of Alabama (Department of Economics, Finance, and Legal Studies), February 2011.
- XI Encuentro Internacional Capital Humano, Crecimiento, Pobreza: Problemática Mexicana. Monterrey, Mexico, October 2009.
- Camp Resources XVI. Asheville, N.C., August 2009.
- University of Florida (Featured Speaker Series), July, 2009.
- The Ohio State University (Agricultural, Environmental and Development Economics Department), May 2009.
- US-German Conference “Tough Choices – Land under a changing climate” Federal Ministry of Education and Research, DFG and NSF. Berlin, Germany, October, 2008.
- Workshop on Spatial Aspects of Natural Resources and Environmental Economics, Department of Economics and Finance, University of Wyoming. Laramie, WY, September, 2008.
- UC, Riverside (Economics Department), April 2008.
- UC, Merced (Economics Department), April 2008.
- Universidad Iberoamericana (Departamento de Economía), August 2007.
- Cornell University (Agricultural Economics Department), February 2007.
- Purdue University (Agricultural Economics Department), February 2007.
- Virginia Tech (Agricultural Economics Department), January 2007.
- University of Florida (Food and Resource Economics Department), November 2006.
- Cal Poly (Department of Economics), November 2006.
- University of Rhode Island, October 2006.
- University of Arizona, Economics Applied Seminar, March 2005.
- University of Arizona, Economics Applied Seminar, April, 2004.
- Agricultural and Resource Economics Seminar. The University of Arizona, 2003.

Conference Presentations and Other

- Midwest Economics Association Annual Meeting, Virtual, March 22-26, 2021.
- Southern Economic Association Meeting, New Orleans, LA, November 2020.
- Western Economic Association International Annual Conference, Vancouver, BC, July 2018.
- Allied Social Science Associations (ASSA) Meeting, Philadelphia, PA, January 2018
- Midwest Economics Association Annual Meeting, Columbus, OH, March 2013
- Annual North American Meetings of the Regional Science Association International, Denver, CO, November 2010.
- Southern Economic Association Meeting, San Antonio, TX, November 2009.
- Agricultural and Applied Economics Association Annual Meeting, Milwaukee, WI, July 2009.
- III Spatial Econometrics Association World Congress, Barcelona, Spain, July 2009.
- 15th International Conference on Panel Data, Bonn, Germany, July 2009.
- The Economics of Land-Use Change: Advancing the Frontiers. U.S. Environmental Protection Agency, Lincoln Institute of Land Policy, Center for Agricultural and Natural Resource Policy, University of Maryland, Washington D.C., June 2009 (Discussant)
- Regional Science: The Next Fifty Years. A Symposium on the Occasion of the 50th Anniversary of the Journal of Regional Science. Federal Reserve Bank of New York, April, 2009 (Discussant)
- IV Congress of the Latin American and Caribbean Association of Environmental and Natural Resource Economists, Heredia, Costa Rica, March, 2009.
- The Urban Divide in Latin America, Challenges and Strategies for Social Inclusion. Center for Latin America Studies. University of Florida Gainesville, FL, January 2009.
- American Economic Association Annual Meeting, San Francisco, CA, January 2009. (1 paper in program)
- American Agricultural Economics Association Annual Meeting, Orlando, FL, July 2008.
- American Economic Association Annual Meeting, Chicago, IL, January 2007. (1 paper in program)
- Latin American and Caribbean Economic Association, Mexico City, Mexico, November, 2006.
- American Agricultural Economics Association Annual Meeting, Long Beach, CA, July 2006.
- Population Association of America Annual Meeting, Los Angeles, CA, March 2006.
- Western Economic Association International Annual Conference, San Francisco, CA, July 2005.
- American Agricultural Economics Association Annual Meeting, Providence, RI, July 2005.
- Society of Labor Economists Annual Meeting, Cambridge, MA, May 2005.
- Midwest Economics Association Meeting, Chicago, IL, March 2004.

TEACHING

Syracuse: ECON 301, Intermediate Microeconomics, ECON 437, Environmental and Resource Economics, ECON 610, Environmental and Resource Economics.

Binghamton: ECON 360, Intermediate Microeconomics, ECON 431, Advanced Environmental Economics; ENVI 481T, Environmental Policy Seminar; ECON682, Natural Resources and Environmental Economics.

Florida: AEB 6553, Elements of Econometrics; AEB 6921 Economic Theory Workshop; AEB 6483 Seminar of Natural Resources and Environmental Economics; AEB6453 Natural Resources and Environmental Economics; AEB 6933 Environmental Economics; AEB Labor Economics.

Arizona: ECON 200, Principles of Economics (Summer 2004; Summer 2005); ECON 382; Labor and Public Policy (Summer 2004).

STUDENTS SUPERVISED

Undergraduate Thesis Advisor:

Yijing Chen “The spillover impact of environmental and worker safety regulations on environmental performance and workplace accidents” Undergraduate Honor Thesis, Department of Economics, Syracuse University. May 2021.

Eric Wu “Environmental Overcompliance Drivers” Undergraduate Honor Thesis, Department of Economics, Binghamton University. May 2013.

Master Thesis Advisor:

Eloise Aka “Identifying the Effects of Energy Efficient Houses on Energy Consumption” M.S. Thesis Food and Resource Economics University of Florida, August 2009.

Jessica Georges “Impact of Poverty on Deforestation: A case study in the Philippines” M.S. Thesis Food and Resource Economics University of Florida, May 2009.

Melissa Ramirez “Does Migration affect Agricultural Labor Productivity? The Case of Mexican Rural Households” M.S. Thesis Food and Resource Economics University of Florida, August 2008. Best Master Thesis in Food and Resource Economics Department for 2008.

Committee Member:

PhD at Syracuse: Ziqiao Chen.

PhD at Binghamton: Thomas LaSalvia, Grace Zhonghui Liu, Nekeisha Spencer, Andrew Vernon.

PhD at Florida: Ledia Guci, Troy Timko, Gregory Parent

M.S. Florida: Dimitrios Kapetanakis, Joy Mullady, and Molly Mondero

Professional Service

Referee and Manuscript Reviews for: *American Journal of Agricultural Economics* [3], *Journal of Agricultural and Applied Economics* [1]; *Papers in Regional Science* [2]; *Journal of Urban Economics* [1]; *Journal of Regional Science* [3]; *Journal of Environmental Economics and Management*[10]; *Agricultural Economics; Resource and Energy Economics* [1]; *European Review of Agricultural Economics* [2]; *Environmental and Resource Economics* [2]; *Land Use Policy*[1]; *Agricultural and Resource Economics Review* [1]; *Business & Society* [1]; *Regional Science and Urban Economics* [1]; *Sustainability* [1].

Membership: *American Agricultural Economics Association; American Society of Hispanic Economists; American Economic Association; Urban Economics Association; Association of Environmental and Resource Economists.*

Other Service: *Reviewer of Abstracts for Southern Agricultural Economics Annual Meetings (2008; 2011); Agricultural and Applied Economics Association (AAEA) topic leader in the area of Rural and Community Development (2010-2011); European Association of Environmental and Resource Economists Programme Committee Member (2009-2012; 2020-2021); Program Committee Member for the inaugural summer conference of the Association of Environmental and Resource Economists. Mentor in the American Economic Association mentoring program (2018 – 2020).*

COMMUNITY SERVICE

- “Grad School 101: Lessons Learned about Creating a Successful Grad School Experience?” Solutions to your life Seminar. October 2007.

- "Agriculture and Environmental Services in Florida: Economic and Policy Considerations"
Presentation to Energy Working Group of the Century Commission's Cooperative Conservation
Blueprint Initiative, July 2008.

SERVICE

2019-present Environmental, Sustainability Policy Faculty Advisory Committee. Syracuse University.
2017-present Undergraduate Advisor, Department of Economics. Syracuse University.
2021-2023 University Senate. Syracuse University.
2021-2023 Senate's Women's concerns committee. University Senate. Syracuse University.
2019-2022 Undergraduate Studies Director, Department of Economics. Syracuse University.
2019-2020 Communication community of practice ad hoc committee. Arts and Sciences College. Syracuse University.
2018-2022 Social Studies Faculty Advisory Committee. Syracuse University.
2016-2017 Committee for the University Environment. Binghamton University.
2015-2017 Academic Honesty Committee, Harpur College, Binghamton University.
2015-2017 Steering Committee for the Smart Energy Transdisciplinary Area of Excellence. Binghamton University.
2015-2016 Recruiting Committee, Department of Economics. Binghamton University.
Spring 16-17 Ph.D. Seminar. Binghamton University.
2011-2014 Member of the Department of Economics' executive committee. Binghamton University.
Fall 2012 Department of Economics Seminar organizer. Binghamton University.
Spring 2012 Environmental Studies Program, Recruiting Search Committee.
2011-2012 Website Manager for the Department of Economics. Binghamton University.
2009-2011 Research Committee, Food and Resource Economics Department.
Search Committee, Food and Resource Economics Department.
Summer Speaker, Featured Speaker Series, New Student Programs and the Division of Student Affairs and Common Reading Program Discussion Leader (CLAS), University of Florida.
US House Committee on Agriculture's Questionnaire on Carbon Credits.
2008 CRIS Projects Review Committee, Food and Resource Economics Department.
2008-2009 Graduate Program Committee, Food and Resource Economics Department.
2008-2009 Seminar Committee, Food and Resource Economics Department.