

Curriculum Vitae

Jérôme Robert Florian Dumortier

Paul H. O'Neill School of Public and Environmental Affairs
Indiana University Indianapolis (IU)
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Academic Appointments

Indiana University Indianapolis, Paul H. O'Neill School of Public and Environmental Affairs, Indianapolis, USA.

- Professor, 2024–present.
- Associate Professor, 2017–2024.
- Assistant Professor, 2011–2017.
- Director of Research, 2022–present.
- Master of Public Affairs (MPA) Co-Director, 2017–2020.

Potsdam Institute for Climate Impact Research (PIK), Potsdam, Germany.

- PIK Alumni Network, 2022–present.
- Guest Researcher, 2022.

Iowa State University, Department of Economics, Ames, USA.

- Faculty Collaborator, 2020–present.
- Graduate Research Assistant, 2008–2011.

Applied Economic Perspectives and Policy

- Co-Editor, 2024–present.

BioEnergy Research

- Co-Editor-in-Chief, 2019–2024.
- Associate Editor, 2019.

GCB Bioenergy

- Editorial Advisory Board, 2017–present.

Education

Ph.D. in Economics, Iowa State University, USA, 2011.

Licence en sciences économiques (“économie politique”), HEC, Université de Lausanne, Switzerland, 2004.

Peer-Reviewed Publications

Dumortier, Jerome, Amani Elobeid, and Miguel Carriquiry. (2024). “Impacts of geopolitics and policy on Latin American biodiversity and water resources.” *Agribusiness: An International Journal* (forthcoming).

Dumortier, Jerome. (2024). “Vehicle electrification and fuel economy policies: Impacts on agricultural land-use in the United States.” *Land Use Policy* 141, 107129.

Peer-Reviewed Publications (continued)

- Dumortier, Jerome, John Crespi, Dermot J. Hayes, Molly Burrell, Adriana Valcu-Lisman, and Jan Lewandrowski. (2024). "Regional economic aspects of carbon markets and anaerobic digesters in the USA: The case of swine production." *Biofuels, Bioproducts and Biorefining* (forthcoming).
- Dumortier, Jerome, Miguel Carriquiry, and Amani Elobeid. (2023). "Interactions between U.S. vehicle electrification, climate change, and global agricultural markets." *Environmental and Resource Economics* 84, 99-123.
- Carriquiry, Miguel, Jerome Dumortier, and Amani Elobeid. (2022). "Trade scenarios compensating for halted wheat and maize exports from Russia and Ukraine increase carbon emissions without easing food insecurity." *Nature Food* 3, 847-850.
- Dumortier, Jerome, Amani Elobeid, and Miguel Carriquiry. (2022). "Light-duty vehicle fleet electrification in the United States and its effects on global agricultural markets." *Ecological Economics* 200, 107536.
- Dumortier, Jerome, Miguel Carriquiry, and Amani Elobeid. (2021). "Impact of climate change on global agricultural markets under different Shared Socioeconomic Pathways." *Agricultural Economics* 52(6), 963–984.
- Elobeid, Amani, Miguel Carriquiry, Jerome Dumortier, David Swenson, and Dermot J. Hayes. (2021). "China-U.S. trade dispute and its impact on global agricultural markets, the U.S. economy, and greenhouse gas emissions." *Journal of Agricultural Economics* 72(3), 647–672.
- Dumortier, Jerome, and Amani Elobeid. (2021). "Effects of a carbon tax in the United States on agricultural markets and carbon emissions from land-use change." *Land Use Policy* 103, 105320.
- Dumortier, Jerome, Miguel Carriquiry, and Amani Elobeid. (2021). "Where does all the biofuel go? Fuel efficiency gains and its effects on global agricultural production." *Energy Policy* 148(A), 111909.
- Dumortier, Jerome, Hamze Dokoohaki, Amani Elobeid, Dermot J. Hayes, David Laird, and Fernando E. Miguez. (2020). "Global land-use and carbon emission implications from biochar application to cropland in the United States." *Journal of Cleaner Production* 258, 120684.
- Carriquiry, Miguel, Amani Elobeid, Jerome Dumortier, and Ryan Goodrich. (2020). "Incorporating sub-national Brazilian agricultural production and land-use into U.S. biofuel policy evaluation." *Applied Economic Perspectives and Policy* 42(3), 497–523.
- Li, Wenqin, Jerome Dumortier, Hamze Dokoohaki, Fernando E. Miguez, Robert C. Brown, David Laird, and Mark Mba Wright. (2019). "Regional techno-economic and life cycle analysis of the pyrolysis-bioenergy-biochar platform for carbon-negative energy." *Biofuels, Bioproducts and Biorefining* 13(6), 1428–1438.
- Dokoohaki, Hamze, Fernando E. Miguez, David Laird, and Jerome Dumortier. (2019). "Where should we apply biochar?" *Environmental Research Letters* 14(4) 044005.
- Lane, Bradley, Jerome Dumortier, Sanya Carley, Saba Siddiki, Kyle Clark-Sutton, and John D. Graham. (2018). "All plug-in electric vehicles are not the same: Predictors of preference for a plug-in hybrid versus a battery-electric vehicle." *Transportation Research Part D: Transport and Environment* 65: 1–13.

Peer-Reviewed Publications (continued)

- Dumortier, Jerome, Nathan Kauffman, and Dermot J. Hayes. (2017). "Production and spatial distribution of switchgrass and miscanthus in the United States under uncertainty and sunk cost." *Energy Economics* 67: 300–314.
- Dumortier, Jerome, Keith S. Evans, Carola Grebitus, and Pamela A. Martin. (2017). "The influence of trust and attitudes on the purchase frequency of organic produce." *Journal of International Food & Agribusiness Marketing* 29(1): 46–69.
- Dumortier, Jerome, Fengxiu Zhang, and John Marron. (2017). "State and federal fuel taxes: The road ahead for U.S. infrastructure funding." *Transport Policy* 53: 39–49.
- Dumortier, Jerome, Matthew W. Kent, and Seth B. Payton. (2016). "Plug-in vehicles and the future of road infrastructure funding in the United States." *Energy Policy* 95: 187–195.
- Grebitus, Carola, and Jerome Dumortier. (2016). "Effects of values and personality on demand for organic produce." *Agribusiness: An International Journal* 32(2): 189–202.
- Dumortier, Jerome. (2016). "Impact of agronomic uncertainty in biomass production and endogenous commodity prices on cellulosic biofuel feedstock composition." *GCB Bioenergy* 8(1): 35–50.
- Siddiki, Saba, Jerome Dumortier, Cali Curley, John D. Graham, Sanya Carley, and Rachel M. Krause. (2015). "Exploring drivers of innovative technology adoption intention: The case of plug-in vehicles." *Review of Policy Research* 32(6): 649–674.
- Dumortier, Jerome, Saba Siddiki, Sanya Carley, Joshua Cisney, Rachel M. Krause, Bradley W. Lane, John A. Rupp, and John D. Graham. (2015). "Effects of providing total cost of ownership information on consumers' intent to purchase a hybrid or plug-in electric vehicle." *Transportation Research Part A: Policy and Practice* 72: 71–86.
- Kauffman, Nathan, Jerome Dumortier, Dermot J. Hayes, Robert C. Brown, and David A. Laird. (2014). "Producing energy while sequestering carbon? The relationship between biochar and agricultural productivity." *Biomass & Bioenergy* 63: 167–176.
- Dumortier, Jerome. (2013). "The effects of uncertainty under a cap-and-trade policy on afforestation in the United States." *Environmental Research Letters* 8(4): 044020.
- Elobeid, Amani, Miguel Carriquiry, Jerome Dumortier, Francisco Rosas, Kranti Mulik, Jacinto Fabiosa, Dermot J. Hayes, and Bruce A. Babcock. (2013). "Biofuel expansion, fertilizer use and GHG emissions: Unintended consequences of mitigation policies." *Economics Research International*, Article ID 708604.
- Dumortier, Jerome. (2013). "Co-firing in coal power plants and its impact on biomass feedstock availability." *Energy Policy* 60: 396–405.
- Dumortier, Jerome, Dermot J. Hayes, Miguel Carriquiry, Fengxia Dong, Xiaodong Du, Amani Elobeid, Jacinto Fabiosa, Pamela A. Martin, and Kranti Mulik. (2012). "The effects of potential changes in United States beef production on global grazing systems and greenhouse gas emissions." *Environmental Research Letters* 7(2): 024023.
- Dumortier, Jerome, Dermot J. Hayes, Miguel Carriquiry, Fengxia Dong, Xiaodong Du, Amani Elobeid, Jacinto Fabiosa, and Simla Tokgoz. (2011). "Sensitivity of carbon emission estimates from indirect land-use change." *Applied Economic Perspectives and Policy* 33(3): 428–448.

Peer-Reviewed Publications (continued)

Hayes, Dermot J., Bruce A. Babcock, Jacinto Fabiosa, Simla Tokgoz, Amani Elobeid, Tun-Hsiang Yu, Fengxia Dong, Chad Hart, Eddie Chavez, Suwen Pan, Miguel Carriquiry, and Jerome Dumortier. (2009). “Biofuels: Potential production capacity, effects on grain and livestock sectors, and implications for food prices and consumers.” *Journal of Agricultural and Applied Economics* 41(2): 1–27.

Book Chapters

Dumortier, Jerome. (2018). “Changes in nitrogen application and Conservation Reserve Program area from cellulosic biofuel production in the United States.” In *Land allocation for biomass: Challenges and opportunities with changing land use*, Ruopu Li and Andrea Monti (editors), Springer International Publishing.

Dumortier, Jerome, Amani Elobeid, and Miguel Carriquiry. (2019). “Assessing the possibility of price-induced yield improvements to reduce land-use change emissions from ethanol.” In *Biofuels, Bioenergy and Food Security: Technology, Institutions and Policies* (1st Edition), Deepayan Debnath and Suresh Babu (editors), Academic Press.

External Funding

U.S. Department of Agriculture/Iowa State University (2022–2027). “Horizon II: A climate-smart future for corn, soybean, livestock, and renewable natural gas production.” Contributing researcher, \$75,000.

Deutscher Akademischer Austauschdienst (2022). “Research Stays for University Academics and Scientists, 2022.” PI, DAAD Reference 57588362, EUR 7,525.

Indiana Soybean Alliance (2022–2023). “Making the case 6: Local and cargo transportation needs & consequences of U.S. vehicle fleet electrification on agricultural production.” Co-PI, \$92,000.

Lawrence Livermore National Laboratory (2021–2023). “National getting to neutral carbon.” NO. B650402, PI, \$70,022.

United States Department of Agriculture (USDA) Cooperative Agreement 58-3000-1-0089 (2021–2023). “Swine production and carbon markets.” Cooperative Agreement 58-3000-1-0089, Cooperative Investigator, \$97,000.

Indiana Soybean Alliance (2018–2019). “Making the case III: Local transportation needs and technical assistance.” Contributing researcher, \$64,000.

Indiana Soybean Alliance (2016–2018). “Agriculture, road conditions, and road funding: Making the case II” Contributing researcher, \$75,000.

Indiana Soybean Alliance (2015–2016). “Agriculture, road conditions, and road funding: Making the case.” Contributing researcher, \$138,000.

Soy Transportation Coalition (2013). “Alternative, sustainable approach to fuel tax.” PI, \$51,065.

Life Cycle Associates LLC (2013). “Land-use change economic model evaluation for the Coordinating Research Council.” Principal investigator (PI), \$19,200.

Internal Funding

Research Support Funds Grant (RSFG). 2015. “Changing agricultural land-use in the United States and its implications on ecosystem services.” PI, \$17,912.

Reports

- Lawrence Livermore National Laboratory. (2023). "Roads to removal: Options for carbon dioxide removal in the United States." LLNL-TR-852901.
- Dumortier, Jerome and Amani Elobeid. (2020). "Assessment of carbon tax policies: Implications on U.S. agricultural production and farm income." CARD Working Paper 20-WP-606, Iowa State University.
- Dumortier, Jerome and Amani Elobeid. (2020). "Implications of a U.S. carbon tax on agricultural markets and GHG emissions from land-use change." *Agricultural Policy Review*, Spring 2020, Iowa State University.
- Dumortier, Jerome and Amani Elobeid. (2020). "Effects of the Energy Innovation and Carbon Dividend Act on U.S. and global agricultural markets." CARD Working Paper 20-WP-598, Iowa State University.
- Palmer, Jamie, Bob McCulloch, Jerome Dumortier, John Marron, John Ketzenberger. (2016). "Indiana rural roads and bridges: The crumbling reality and what it will take to mend these critical economic arteries." Indiana University Public Policy Institute, Report 16-C23.
- Marron, John, Jerome Dumortier, and Fengxiu Zhang. (2014). "Implications of inflation-adjusted fuel taxes on government revenue." Indiana University Public Policy Institute, Report 14-C16.
- Dumortier, Jerome, John Marron, and Fengxiu Zhang. (2014). "Policy brief: Fuel tax changes and the impact on state revenue for Iowa." Indiana University Public Policy Institute.
- Coordinating Research Council. (2014). "Study of transportation fuel life cycle analysis: Review of economic models used to assess land-use effects." Coordinating Research Council Report E-88-3.
- Carriquiry, Miguel, Jerome Dumortier, Amani E. Elobeid, Jacinto F. Fabiosa, Dermot J. Hayes, Karen Kovarik, Kranti Mulik, and Juan Francisco Rosas. (2011). "FAPRI-ISU 2011 World Agricultural Outlook." FAPRI Staff Reports, Paper 5, Iowa State University.
- Edwards, Robert, Declan Mulligan, and Luisa Marelli. (2010). "Indirect land-use change from increased biofuels demand." European Commission Joint Research Center - Institute for Energy JRC59771. Contributing researcher.
- Dumortier, Jerome and Dermot J. Hayes. (2009). "Towards an integrated global agricultural greenhouse gas model: Greenhouse Gases from Agriculture Simulation Model (GreenAgSiM)." CARD Working Paper 09-WP 490, Iowa State University.

Conference Presentations

- "Decarbonization of aviation and motor vehicles: Effects of changing bioenergy demand on United States agriculture under climate change," 45th IAEE International Conference, Istanbul, Turkey, June 2024.
- "Economic aspects of carbon markets and anaerobic digesters in the U.S.: The case of swine production," presented by John Crespi at *Anaerobic Digestion on the Farm: Optimizing Environmental & Economic Outcomes for Rural Communities & Beyond*, Ames, Iowa, USA, November 2023.
- "Consequences of climate change and vehicle electrification for U.S. agriculture," AERE 2023 Summer Conference, Portland, Maine, USA, June 2023.
- "Global biodiversity implications from electric vehicles in the United States," 2nd Inter-Conference Symposium and 1st Latin-American Workshop on Productivity and Efficiency, Montevideo, Uruguay, April 2023.

Conference Presentations (continued)

- “Relationship between fuel economy, vehicle electrification, and rural welfare in the United States,” 43rd IAEE International Conference, August 2022.
- “Interactions between U.S. vehicle electrification, climate change, and global agricultural markets,” 9th Atlantic Workshop on Energy and Environmental Economics, Illa da Toxa, Spain, June 2022.
- “Impact of climate change on global agricultural markets under different shared socioeconomic: A Latin American perspective,” presented by Miguel Carriquiry at the 31st Virtual International Conference of Agricultural Economists (ICAE), August 2021.
- “Interactions of U.S. light duty vehicle electrification policies and global agricultural trade,” presented by Amani Elobeid at the 31st Virtual International Conference of Agricultural Economists (ICAE), August 2021.
- “Spatial effects of carbon pricing on agriculture and bioenergy in the United States,” 1st IAEE Online Conference “Energy, COVID, and Climate Change,” June 2021.
- “Impact of climate change on global agricultural trade through yield variations,” Association of Environmental Engineering and Science Professors (AEESP) Distinguished Lecturer Conference, West Lafayette, USA, February 2020.
- “Increasing Fuel Efficiency in the Transportation Sector and its Implications for Bioenergy, Greenhouse Gas Emissions, and Agricultural Markets by 2050,” 7th Latin American Energy Economics Meeting, Buenos Aires, Argentina, March 2019.
- “Relationship between biofuel production and future vehicle stocks under different oil price scenarios,” USAEE North American Conference, Washington, D.C., September 2018.
- “Assessing the impact of closing global commodity yield gaps on food production and land-use change emissions from biofuels,” AAEA annual meeting, Washington, D.C., August 2018.
- “Vehicle and Road Taxing Schemes in the United States and its Effects on Greenhouse Gas Emission,” International Association for Energy Economics (IAEE) annual meeting, Singapore, June 2017.
- “Changing agricultural land-use in the United States and its implications on ecosystem services,” AAEA annual meeting, Boston, Massachusetts, July 2016.
- “The electric vehicle attitude-behavior gap: Targeting the early majority,” 22nd Annual Conference of the European Association of Environmental and Resource Economists, Zurich, Switzerland, June 2016.
- “Uncertainty and time-to-build in bioenergy production,” AAEA annual meeting, San Francisco, California, July 2015.
- “Plug-in vehicles and the future of road infrastructure funding in the United States,” 4th AERE Summer Conference, San Diego, California, June 2015.
- “Impact of different bioenergy crops on area allocation and cellulosic ethanol feedstock mix,” AAEA annual meeting, Minneapolis, Minnesota, July 2014.
- “Implications of an inflation-adjusted fuel tax on government revenue and consumer welfare,” presented by John Marron at the International Association for Energy Economics (IAEE) annual meeting, New York City, New York, June 2014.
- “Effects of life cycle cost information disclosure on the purchase decision of hybrid and plug-in vehicles,” International Association for Energy Economics (IAEE) annual meeting, New York City, New York, June 2014.

Conference Presentations (continued)

- “The influence of trust and attitudes on organic and conventional consumption of strawberries and tomatoes,” presented by Keith S. Evans at the AAEA annual meeting, Washington D.C., August 2013.
- “Uncertainty, competition, and time-to-build in switchgrass production,” International Consortium on Applied Bioeconomy Research (ICABR) conference, Ravello, Italy, June 2013.
- “Altruistic versus egoistic motivation: Is there a role for altruism in organic consumption?” The Second Food Studies: An Interdisciplinary Conference, Urbana, Illinois, October 2012.
- “Biomass cofiring in coal power plants and its impact on agriculture in the United States,” AAEA annual meeting, Seattle, Washington, August 2012.
- “Welfare changes associated with forest carbon offset credits in the United States,” AAEA annual meeting, Seattle, Washington, August 2012.
- “Sensitivity of carbon emission estimates from indirect land-use change,” 2011 Inaugural AERE Summer Conference, Seattle, Washington, June 2011.
- “Carbon or crops? A real option perspective on tree planting under a cap-and-trade policy,” conference “The Role of Carbon Offsets in Climate Policy,” Cornell University, Ithaca, New York, May 2011.
- “Agricultural production in the context of rational expectations and greenhouse gas policies,” AAEA annual meeting, Denver, Colorado, July 2010.
- “Modeling the effects of pasture expansion on emissions from land-use change,” International Agricultural Trade Research Consortium (IATRC) Symposium “Climate Change in World Agriculture,” Stuttgart-Hohenheim, Germany, June 2010.
- “Pasture expansion and land-use change,” Biobased Industry Center Bioenergy Camp, Perry, Iowa, May 2010.
- “Towards an integrated agricultural greenhouse gas model,” AAEA annual meeting, Milwaukee, Wisconsin, July 2009.
- “Biofuel production under carbon constraints,” Midwest Economics Association (MEA) annual meeting, Cleveland, Ohio, March 2009.

Invited Presentations

- “Consequences of climate change and road transport decarbonization for United States agriculture,” Institut für Wirtschaftswissenschaften, Universität Freiburg, Germany, December 2023.
- “Spatial and Economic Aspects of Carbon Markets and Anaerobic Digesters in the United States: The Case of Swine Production,” U.S. Department of Agriculture (USDA) Economic Research Service (ERS), September 2023.
- “Agricultural production and trade implications from closing the global crop yield gap in the context of climate change,” University of CEMA, Buenos Aires, Argentina, April 2023.
- “The future of farming given energy and climate change challenges,” Virtual Conference on Critical Global Resources, Changing World Order and International Relations and Trade, International Studies Consortium of Georgia (ISCOG), September 2022.
- “How global energy and environmental trends affect policy design,” Keynote address for the Research Internships in Science and Engineering (RISE) meeting “Climate, Health Protection, and Green Technologies,” of the Deutscher Akademischer Austauschdienst (DAAD), July 2022.

Invited Presentations (continued)

- “Interactions between U.S. vehicle electrification, climate change, and global agricultural markets,” School of Management, Technische Universität München, Germany, June 2022.
- “Relationship between U.S. vehicle fleet decarbonization, climate change, and agricultural Markets,” Research Seminar on Environmental, Resource and Climate Economics (RSERC), Fakultät VII - Wirtschaft und Management, Technische Universität Berlin, Germany, June 2022.
- “Where does all the biofuel go? Fuel efficiency gains and its effects on global agricultural production,” Agricultural Economics Department, Purdue University, West Lafayette, September 2020.
- “Closing the gap: International trade and greenhouse gas implications of moving towards the crop yield frontier,” Universidad de la República, Montevideo, Uruguay, March 2019.
- “Assessing the possibility of price-induced yield improvements to reduce land-use change emissions from ethanol,” Department of Geographical and Sustainability Sciences, University of Iowa, Iowa City, April 2018.
- “Co-firing in coal power plants and its impact on biomass feedstock availability,” Iowa NSF EPSCoR Energy Policy Seminar, Iowa State University, Ames, March 2014.
- “Co-firing in coal power plants and its impact on biomass feedstock availability,” Agribusiness Economics, Southern Illinois University, Carbondale, March 2014.
- “Spatial effects of bioenergy production on land allocation and net revenue,” Morrison School of Agribusiness and Resource Management, Arizona State University, Mesa, November 2012.
- “Changes in net revenue associated with forest carbon offset credits in the United States,” Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, Urbana, April 2012.
- “Carbon or crops? A real option perspective on tree planting under a cap-and-trade policy,” Agricultural Economics Department, Purdue University, West Lafayette, October 2011.

Miscellaneous Presentations

- “Impacts of geopolitics on Latin American Agriculture: The case of the War in Ukraine,” discussant at panel on “Challenges for Latin American Agriculture,” 2nd Inter-Conference Symposium and 1st Latin-American Workshop on Productivity and Efficiency, Montevideo, Uruguay, April 2023.
- “Effects of carbon pricing on agriculture in the United States,” Cottonwood Ag Management Learning Series, October 2021.
- “CARD study underway to evaluate impacts of proposed carbon fee and dividend legislation on U.S. farmers,” Iowa AgSTATE Meeting, June 2019.
- “Economic impacts of biochar-induced yield increases in the United States,” poster at the 2018 AAEA annual meeting, Washington D.C., August 2018.
- “Food for the future,” 30th International Conference of Agricultural Economists, invited panel discussant and organizer, Vancouver BC, August 2018.
- “Biochar, Biofuels, and Yield Gaps,” Richard G. Lugar Center for Renewable Energy (LCRE) Spring Forum, panel discussant, Indianapolis, May 2018.
- “U.S. Biochar Economic Simulation Model,” Global Climate and Energy Project (GCEP) working group, Iowa State University, Ames, March 2018.
- “Vehicle and road taxing schemes in the United States,” SPEA Dean’s Council, Washington D.C., September 2017.

Miscellaneous Presentations (continued)

- Richard G. Lugar Center for Renewable Energy (LCRE) Spring Forum “Energy and Sustainability,” panel discussant and moderator, Indianapolis, May 2017.
- “Land-use change effects from biochar-induced yield improvements,” Global Climate and Energy Project (GCEP) working group, Iowa State University, Ames, April 2017.
- “Changing agricultural land-use in the United States and its implications for ecosystem services,” SPEA Environmental Policy Seminar, Indiana University, Bloomington, December 2016.
- “20 Year Outlook for Rural Infrastructure in Indiana,” Farm Policy Study Group, Purdue University, West Lafayette, December 2016.
- Richard G. Lugar Center for Renewable Energy (LCRE) Spring Forum “Diversification of Energy in Indiana,” panel discussant, Indianapolis, May 2015.
- “Changes in fuel tax policy and the impact on state and federal revenue.” Presentation at Indiana University Public Policy Institute Seminar Series, Indianapolis, March 2014.
- “The effects of potential changes in United States beef production on global grazing systems and greenhouse gas emissions,” poster, 2013 IU Research Day, Indianapolis, April 2013.

Doctoral Students

- Zebrowski, Wesley Mlsna (2024)
- Beecham, Jasmine (2024)

Teaching

- SPEA-V 370 Research Methods and Statistical Modeling
- SPEA-V 372 Government Finance and Budgets
- SPEA-V 506 Statistical Analysis for Effective Decision Making
- SPEA-V 506 Executive Education: Statistical Analysis for Effective Decision Making
- SPEA-V 507 Data Analysis and Modeling for Public Affairs
- SPEA-V 517 Public Management Economics
- SPEA-V 560 Public Finance and Budgeting
- ECON 102 Principles of Macroeconomics (Iowa State University)

Awards and Honors

- SPEA IUPUI Outstanding Graduate Teaching Award, 2013, 2015.
- Teaching Excellence Award, Iowa State University, 2007.

Employment and Consulting

- Consultant, European Commission Joint Research Center, Institute for Energy, 2009.
- Assistant in Corporate Finance, Landesbank Saar (SaarLB), Metz, France, 2004–2005.
- Research Department Intern, ifo - Institut für Wirtschaftsforschung, Munich, Germany, 2004.
- Assistant Service Après-Vente, Linde Froid et Climatisation, Trappes, France, 1999–2000.

Professional Service

- Deutscher Akademischer Austauschdienst (DAAD, German Academic Exchange Service),
Graduate scholarship selection, committee member, 2023, 2024.

Professional Service (continued)

Proposal reviewer: University of Strasbourg Institute for Advanced Study (USIAS); National Science Foundation (NSF); Sêr Cymru National Research Network for Low Carbon, Energy and Environment (NRN-LCEE).

Invited Session “Multi-Continent Perspectives on Agricultural Trade and Climate Change” at the 31st Virtual International Conference of Agricultural Economists (ICAE), organizer, August 2021.

Network of Schools of Public Policy, Affairs, and Administration (NASPAA) - Batten Student Simulation Competition “Global Food Security,” simulation judge, February 2017.

Indiana Future Farmers of America (FFA) Organization, Career Development Event (CDE) judge, West-Lafayette, Indiana, 2015.

Agricultural and Applied Economics Association (AAEA): Membership Committee; Land, Water and Environmental Economics Section Treasurer; Selected Presentations Committee; Topic Leader for Food and Agricultural Policy Analysis; Selected Presentation Reviewer.

AAEA Professional Workshop “Water Resources & Policy: Exploring the Risks, Benefits and Opportunities for Conservation Workshop” (ENV Section Event), member of the workshop organizing committee, 20 March 2017.

University Service

1st Year Research Immersion Program “Climate Change Policy and Agriculture in the United States,” mentor, 2024.

IU Robert H. McKinney School of Law, search committee member for the position of Associate Dean of Research, 2024.

R/RStudio Workshop, workshop instructor, Lilly Family School of Philanthropy, April 2019.

Richard G. Lugar Center for Renewable Energy May Forum “Energy, Economics, Environment,” member of the organizing committee, May 2017.

The University Faculty Club in Indianapolis, board member and treasurer, 2015–2018.

Faculty Advisor for the IUI Energy Club Student Organization, 2012–2015.

Research Member, Richard G. Lugar Center for Renewable Energy at IUI, 2012–2024.

O’Neill Job Search Committees: Public Administration and Public Policy (chair), Public Affairs Grand Challenge (chair), SPEA Dean Search, IU Public Policy Institute Program Manager, Master of Public Affairs Director, SPEA Manufacturing Policy Initiative Director, Public Affairs, Nonprofit Management, Homeland Security and Emergency Management, Public Policy, Governance and Management, Criminal Justice.

O’Neill Indianapolis School Committees: Faculty Secretary, Executive Committee, MPA Assessment, Public Affairs Governance (chair), Promotion & Tenure, Budgetary Affairs (chair), Faculty Annual Review (chair), Graduate Affairs, Faculty Affairs, Ph.D. Evaluation, Urban Affairs Major.

O’Neill Core School Committees: Council of Program Administrators, Policy Committee, Faculty Advisory Committee on Development

IU Indianapolis committees: Faculty Council, Graduate Affairs Committee, Research Affairs Committee of the Indianapolis Faculty Council, Indiana University Strategic Plan 2030 (member of the student success subcommittee for improving graduate and professional student education), Sustainability Steering Committee, Co-Chair Transportation Subcommittee of the Sustainability Steering Committee

University Service (continued)

President, Economics Graduate Student Association, Department of Economics, Iowa State University.

Media Communications

Inside Indiana Business. “The demand for geothermal HVAC is rising. One Indiana company is capitalizing.” August 2023.
 Anthropocene Magazine. “In a first, researchers connect the dots between EVs, global wildlands, and emissions avoided,” July 2022.
 Carbon Brief. “Electric cars sales in the US could prevent one-tenth of global cropland expansion,” July 2022.
 WEHT/WTVW. “Lawmakers consider reasons for gas price increase as gouging hearings loom,” March 2022.
 On Topic with IU. “Clean energy with Dr. Jerome Dumortier,” September 2021.
 Bus & Motorcoach News. “What’s the future of the fuel tax?” April 2019.
 Electrical Contractor. “Start your engines: Electric vehicles,” September 2017.
 Inc.com. “How U.S. fuel taxes need to change,” December 2016.
 Inside Indiana Business. “Study Suggests Best Option to Fund Road Work,” September 2016.
 NPR WBAA. “IUPUI Researchers: Don’t Bother with An Electric Car Flat Tax - It Won’t Fix Roads,” May 2016.
 Farm World. “Indiana ethanol impact study cites notable economic boost,” June 2015.
 Scientific American. “Biofuels might hold back progress combating climate change,” March 2014.
 South Bend Tribune. “Hope for reviving ethanol facility?” February 2013.
 Fox 59. “Drought conditions still affecting grocery prices,” September 2012.
 Fox 59. “Thanksgiving dinner will be more expensive this year,” November 2011.

Professional Affiliations

American Economic Association (AEA)
 Agricultural & Applied Economics Association (AAEA)
 Association of Environmental and Resource Economists (AERE)
 European Association of Environmental and Resource Economists (EAERE)
 International Association for Energy Economics (IAEE)
 United States Association for Energy Economics (USAEE)

Selected Referee Service

Agriculture, Ecosystems & Environment; American Journal of Agricultural Economics; Australian Journal of Agricultural and Resource Economics; BioEnergy Research; Canadian Journal of Agricultural Economics/Revue Canadienne d'Agroéconomie; Climatic Change; Ecological Economics; Energy Economics; Energy Journal; Energy Policy; European Review of Agricultural Economics; Food Policy; GCB Bioenergy; International Journal of Sustainable Transportation; Journal of Advances in Modeling Earth Systems; Journal of Agricultural and Applied Economics; Journal of Environmental Management; Journal of Transport Geography; Land Degradation and Development; Land Economics; Nature Food; Nature Geoscience; PLOS ONE; Research in Transportation Economics; Transport Policy; Transportation Research Part A: Policy and Practice; Transportation Research Part D: Transport and Environment