

Edward J. Balistreri
Curriculum Vitae

January 2025

CONTACT INFORMATION	Department of Economics University of Nebraska—Lincoln P.O. Box 880489 Lincoln, NE 68588-0489	<i>email:</i> Edward.Balistreri@unl.edu <i>web:</i> balistreri.createunl.com <i>google scholar:</i> Edward J. Balistreri
EDUCATION	Ph.D., Economics, University of Colorado (1995) Dissertation: <i>Preference Revelation and the Endogenous Trade Policy Model: Empirical and Experimental Evidence for Stolper-Samuelson Welfare Effects</i> (Supervisor: William H. Kaempfer) Fields: <i>International Economics</i> and <i>Public Economics</i> M.A., Economics, University of Colorado (1993) B.A., Economics, Arizona State University (1989)	
EXPERIENCE	University of Nebraska—Lincoln <i>Professor</i> , Department of Economics <i>Duane Acklie College of Business Yeutter Institute Chair</i> , Department of Economics and The Clayton Yeutter Institute of International Trade and Finance <i>Associate Professor</i> , Department of Economics Iowa State University <i>Associate Professor</i> , Department of Economics Colorado School of Mines <i>Associate Professor</i> , Division of Economics and Business <i>Program Director</i> , Mineral and Energy Economics <i>Assistant Professor</i> , Division of Economics and Business United States International Trade Commission <i>Economist</i> (GS-14), Office of Economics, Research Division Charles River Associates, Inc. <i>Senior Associate</i> , Washington DC University of Colorado <i>Research Associate/Assistant</i> , Center for Economic Analysis, and Center for Research on Judgment and Policy <i>Teaching Assistant</i> , Department of Economics	2023– 2020– 2020–2023 2017–2020 2010–2017 2013–2015 2004–2010 2001–2004 1996–2001 1993–1996 1990–1993

AWARDS AND INVITED APPOINTMENTS	Global Trade Analysis Project <i>GTAP Research Fellow</i>	2024–2027
	United States Department of Agriculture, Strategic Program Grant <i>Univ of Wisconsin Cooperative Agreement:</i> UNL subcontract (0000002570): \$75,000 Calculation of State-level Input-output (UNL PI)	2022–2024
	United States Department of Agriculture, Economic Research Service (ERS) <i>Cooperative Agreement (58-3000-0-0035):</i> \$150,000 Supply Chain Info. and Improved State-level Trade Data (PI)	2020–2025
	United States Department of Agriculture, Economic Research Service (ERS) <i>Cooperative Agreement (58-3000-0-0043):</i> \$50,000 Food Security and COVID19 (John Beghin–PI)	2020–2022
	United States Department of Agriculture, National Institute of Food and Agriculture (NIFA) <i>Research Grant (2019-67023-29414)</i> \$499,999, with CoPIs: DJ Hayes, M Li, and W Zhang	2019–2021
	Center for Agricultural and Rural Development (CARD) <i>Head of the Trade and Policy Division</i>	2019–2020
	Agricultural & Applied Economics Association <i>Bruce Gardner Memorial Prize for Applied Policy Analysis</i> , with CE Hart, DJ Hayes, M Li, L Schulz, DA Swenson, W Zhang, JM Crespi	2019
	United States Environmental Protection Agency <i>Science Advisory Board</i> , Economy-wide Modeling Panel	2015–2017
	<i>Advances in Applied General Equilibrium Modeling</i> (Springer) <i>Editorial Board</i>	2015–
	<i>Journal of Environmental Economics and Management</i> (Elsevier) <i>Editorial Council</i>	2014–2020
	Colorado School of Mines, Division of Economics and Business <i>Excellence in Teaching Award</i> , MEE Graduate Programs	AY 2013–2014
	National Center for Atmospheric Research (NCAR) <i>Affiliate Scientist</i> , Integrated Assessment Modeling Group	2012–2018
	United States Environmental Protection Agency <i>Stakeholder Panel for Managing Commodity-grade Mercury</i>	2007
	United States International Trade Commission (USITC) <i>Research Grant (ITC-PO-05-0035)</i> \$38,508	2005

- Balistreri, Edward J. and Maxwell Brown (2023) ‘Calibrating Constant Elasticity of Substitution Technologies to Bottom-up Cost Estimates,’ *Journal of Global Economic Analysis*, 8(1), DOI: 10.21642/JGEA.080103AF
- Balistreri, Edward J., Felix Baquedano, John C. Beghin (2022) ‘The impact of COVID-19 and associated policy responses on global food security,’ *Agricultural Economics*, 53, 855–869 DOI: 10.1111/agec.12749
- Balistreri, Edward J. and David G. Tarr (2022) ‘Mathematics of Generalized Versions of the Melitz, Krugman and Armington Models with Detailed Derivations,’ *Journal of Global Economic Analysis*, 7(2), 66–139, DOI: 10.21642/JGEA.070203AF
- He, Xi, Edward J. Balistreri, Gyu Hyun Kim, and Wendong Zhang (2022) ‘A General Equilibrium Assessment of COVID-19’s Labor Productivity Impacts on China’s Regional Economies,’ *Journal of Productivity Analysis*, 58, 129–150, DOI: 10.1007/s11123-022-00642-3
- Balistreri, Edward J. and David G. Tarr (2022) ‘Welfare gains in the Armington, Krugman and Melitz models: Comparisons grounded on gravity,’ *Economic Inquiry*, 60(4), 1681–1703, DOI: 10.1111/ecin.13082
- Shin, Sangho and Edward J. Balistreri (2022) ‘The other trade war: quantifying the Korea-Japan trade dispute,’ *Journal of Asian Economics*, 79, 101442, DOI: 10.1016/j.asieco.2022.101442
- Balistreri, Edward, Petros C. Mavroidis, and Thomas J. Prusa (2021) ‘What if? Tinkering with the Counterfactual A Comment on US-Washing Machines (Article 22.6-US),’ *World Trade Review*, 20(4), 421–435, DOI: 10.1017/S1474745621000276
- Li, Minghao, Edward J. Balistreri and Wendong Zhang (2020) ‘The U.S.-China trade war: tariff data and general equilibrium analysis,’ *Journal of Asian Economics*, 69, 1–13 (lead article), DOI: 10.1016/j.asieco.2020.101216
- Balistreri, Edward J. and David G. Tarr (2020) ‘Comparison of deep integration in the Melitz, Krugman and Armington models: The case of The Philippines in RCEP,’ *Economic Modelling*, 85, 255–271, DOI: 10.1016/j.econmod.2019.05.023
- Balistreri, Edward J., Daniel T. Kaffine, and Hidemichi Yonezawa (2019) ‘Optimal environmental border adjustments under the General Agreement on Tariffs and Trade,’ *Environmental and Resource Economics*, 74(3), 1037–1075, DOI: 10.1007/s10640-019-00359-2
- Olekseyuk, Zoryana and Edward J. Balistreri (2018) ‘Trade liberalization gains under different trade theories: A case study for Ukraine,’ *Empirica*, 45(3), 507–542, DOI: 10.1007/s10663-017-9371-9

Ren, Xiaolin, Peter Lawrence, Matthias Weitzel, Brian O'Neill, Sam Levis, Prasanth Meiyappan, Edward J. Balistreri and Mike Dalton (2018) 'Avoided economic impacts of climate change on agriculture: integrating a Land Surface Model (CLM) with an Economic Model (iPETS),' *Climatic Change*, 146(3–4), 517–531, DOI: 10.1007/s10584-016-1791-1

Balistreri, Edward J., Maryla Maliszewska, Israel Osorio-Rodarte, David G. Tarr, and Hidemichi Yonezawa (2018) 'Poverty, welfare and income distribution implications of reducing trade costs through deep integration in Eastern and Southern Africa,' *Journal of African Economies*, 27(2), 172–200, DOI: 10.1093/jae/ejx024

Balistreri, Edward J., Christoph Böhringer and Thomas F. Rutherford (2018) 'Carbon policy and the structure of global trade,' *The World Economy*, 41(1), 194–221, DOI: 10.1111/twec.12535

Balistreri, Edward J., Zoryana Olekseyuk and David Tarr (2017) 'Privatization and the Unusual Case of Belarusian Accession to the WTO,' *The World Economy*, 40(12), 2564–2591, DOI: 10.1111/twec.12520

Balistreri, Edward J., Jesper Jensen, and David Tarr (2015) 'What determines whether preferential liberalization of barriers against foreign investors in services are beneficial or immiserizing?: Application to the case of Kenya,' *Economics: The Open-Access, Open-Assessment E-Journal*, 9(2015-42), 1–134, DOI: 10.5018/economics-ejournal.ja.2015-42

Balistreri, Edward J., David G. Tarr, and Hidemichi Yonezawa (2015) 'Deep Integration in Eastern and Southern Africa: What are the Stakes?,' *Journal of African Economies*, 24(5), 677–706, DOI: 10.1093/jae/ejv012

Böhringer, Christoph, Edward J. Balistreri, and Thomas F. Rutherford (2012) 'The role of border carbon adjustment in unilateral climate policy: Overview of an Energy Modeling Forum study (EMF 29),' *Energy Economics* 34(S2), S97–S110, DOI: 10.1016/j.eneco.2012.10.003

Balistreri, Edward J. and Thomas F. Rutherford (2012) 'Subglobal carbon policy and the competitive selection of heterogeneous firms,' *Energy Economics* 34(S2), S190–S197, DOI: 10.1016/j.eneco.2012.08.002

Balistreri, Edward J., Russell H. Hillberry, and Thomas F. Rutherford (2011) 'Structural estimation and solution of international trade models with heterogeneous firms,' *Journal of International Economics* 83(2), 95–108 (lead article) DOI: 10.1016/j.jinteco.2011.01.001

Reprinted in Kym Anderson (ed.) *Measuring WTO's Contribution to Global Economic Growth* (2014) Edward Elgar Publishing Ltd.: Cheltenham (Volume 21 in the series *Critical Perspectives on the Global Trading System and the WTO*)

Vásquez Cordano, Arturo L., and Edward J. Balistreri (2010) 'The marginal cost of public funds of mineral and energy taxes in Peru,' *Resources Policy* 35(4), 257–264, DOI: 10.1016/j.resourpol.2010.08.002

- Balistreri, Edward J., Russell H. Hillberry, and Thomas F. Rutherford (2010) ‘Trade and welfare: Does industrial organization matter?’ *Economics Letters* 109(2), 85–87, DOI: 10.1016/j.econlet.2010.08.014
- Balistreri, Edward J., Ayed Al-Qahtani, and Carol A. Dahl (2010) ‘Oil and petroleum product Armington elasticities: A new-geography-of-trade approach to estimation,’ *The Energy Journal* 31(3), 165–177, DOI: 10.5547/ISSN0195-6574-EJ-Vol31-No3-9
- Balistreri, Edward J., and Christopher M. Worley (2009) ‘Mercury: the good, the bad, and the export ban,’ *Resources Policy* 34(4), 195–204, DOI: 10.1016/j.resourpol.2009.06.001
- Balistreri, Edward J., Thomas F. Rutherford, and David G. Tarr (2009) ‘Modeling services liberalization: The case of Kenya,’ *Economic Modelling* 26(3), 668–679
- Balistreri, Edward J., and James R. Markusen (2009) ‘Sub-national differentiation and the role of the firm in optimal international pricing,’ *Economic Modelling* 26(1), 47–62
- Balistreri, Edward J., and Russell H. Hillberry (2008) ‘The gravity model: An illustration of structural estimation as calibration,’ *Economic Inquiry* 46(4), 511–527
- Balistreri, Edward J., and Russell H. Hillberry (2007) ‘Structural estimation and the border puzzle,’ *Journal of International Economics* 72(2), 451–463
- Al-Qahtani, Ayed, Edward J. Balistreri, and Carol A. Dahl (2007) ‘Estimating the U.S. Dollar Depreciation Effect on Oil Prices,’ *Journal of Energy and Development* 33(1), 49–55
- Balistreri, Edward J., and Russell H. Hillberry (2006) ‘Trade frictions and welfare in the gravity model: how much of the iceberg melts?’ *Canadian Journal of Economics* 39(1), 247–265
- Andriamananjara, Soamiely, Edward J. Balistreri, and Martin T. Ross (2006) ‘State-level equity and the demise of the agreement on textiles and clothing,’ *The North American Journal of Economics and Finance* 17(1), 17–33
- Hillberry, Russell H., Michael A. Anderson, Edward J. Balistreri, and Alan K. Fox (2005) ‘Taste parameters as model residuals: Assessing the ‘fit’ of an Armington trade model,’ *Review of International Economics* 13(5), 973–984
- Balistreri, Edward J., Christine A. McDaniel, and Eina Vivian Wong (2003) ‘An estimation of US industry-level capital-labor substitution elasticities: support for Cobb-Douglas,’ *The North American Journal of Economics and Finance* 14(3), 343–356
- McDaniel, Christine A., and Edward J. Balistreri (2003) ‘A review of Armington trade substitution elasticities,’ *Économie Internationale* 94-95, 301–314

Joint publication: (2003) *Integration and Trade* N° 18, Vol. 7, 161–173

Balistreri, Edward J. (2002) ‘Operationalizing equilibrium unemployment: A general equilibrium external economies approach,’ *Journal of Economic Dynamics and Control* 26(3), 347–374

Balistreri, Edward, Gary McClelland, Gregory Poe, and William Schulze (2001) ‘Can hypothetical questions reveal true values? a laboratory comparison of dichotomous choice and open-ended contingent values with auction values,’ *Environmental and Resource Economics* 18(3), 275–292

Yohe, Gary, W. David Montgomery, and Ed Balistreri (2000) ‘Equity and the Kyoto protocol: measuring the distributional effects of alternative emissions trading regimes,’ *Global Environmental Change* 10(2), 121–132

Balistreri, Edward J. (1997) ‘The performance of the Heckscher-Ohlin-Vanek model in predicting endogenous policy forces at the individual level,’ *Canadian Journal of Economics* 30(1), 1–17 (lead article)

Book Chapters

Balistreri, Edward J. and Zoryana Olekseyuk (2025) ‘Economic Impacts of an Investment Facilitation for Development Agreement,’ in Manjiao Chi and Axel Berger (Eds.), *The Making of an International Investment Facilitation Framework: Legal, Political and Economics Perspectives*, Cambridge University Press.

Balistreri, Edward J. and Russell H. Hillberry (2021) ‘21st century trade wars,’ in Peter B. Dixon, Joseph Francois, and Dominique van der Mensbrugghe (Eds.) *Policy Analysis and Modeling of the Global Economy: A Festschrift Celebrating Thomas Hertel*, World Scientific, 279-297

Sue Wing, Ian and Edward J. Balistreri (2018) ‘Computable General Equilibrium Models for Policy Evaluation and Economic Consequence Analysis,’ in Shu-Heng Chen, Mak Kaboudan, and Ye-Rong Du (Eds.) *The Oxford Handbook of Computational Economics and Finance*, Oxford University Press, 139–203

Balistreri, Edward J. and David G. Tarr (2014) ‘Introduction and Key Tables from: Services Liberalization in Preferential Trade Arrangements: The Case of Kenya,’ in David G. Tarr’s *Applied Trade Policy Modeling in 16 Countries: Insights and Impacts from World Bank CGE Based Projects*, World Scientific, 439–451

Balistreri, Edward J. and Thomas F. Rutherford (2013) ‘Computing General Equilibrium Theories of Monopolistic Competition and Heterogeneous Firms,’ in Peter B. Dixon and Dale W. Jorgenson (Eds.) *Handbook of Computable General Equilibrium Modeling*, North Holland, Elsevier B.V., 1513–1570

Working Papers

‘Tariff: the most beautiful word in the dictionary?’ with Suraiya Binte Ali and Christine McDaniel (2024) December

‘Quantifying disruptive trade policies,’ with Thomas F. Rutherford and Christoph Böhringer (2024) September (previous version: CESifo Working Paper No. 7382, November, 2018)

‘Economic impact of investment facilitation,’ with Zoryana Olekseyuk (2021) Iowa State University, Center for Agricultural and Rural Development, Working Paper: 21-WP 615, February

‘A GAMS/MPSGE implementation of the PET model,’ with Matthias Weitzel, Brian C O’Neill, and Xiaolin Ren (2019) Iowa State University, Center for Agricultural and Rural Development, Working Paper: 19-WP 593, September

Technical Reports **[Role]**

Balistreri, Edward J. and David G. Tarr (2018) *Comparison of Deep Regional Integration in the Melitz, Krugman and Armington Models: The Case of The Philippines in RCEP*, World Bank Policy Research Working Papers, WPS 8587, research funded through the Research Committee of the World Bank, September 2018, [doi link](#) **[Coauthor]**

Balistreri, Edward J. and David G. Tarr (2018) *Comparison of Welfare Gains in the Armington, Krugman and Melitz Models : Insights from a Structural Gravity Approach*, World Bank Policy Research Working Papers, WPS 8570, research funded through the Research Committee of the World Bank, August 2018, [doi link](#) **[Coauthor]**

Balistreri, Edward J., Maryla Maliszewska, Israel Osorio-Rodarte, David G. Tarr, and Hidemichi Yonezawa (2016) *Poverty and Shared Prosperity Implications of Deep Integration in Eastern and Southern Africa*, World Bank Policy Research Working Papers, WPS 7660, research partially funded by the World Bank (PSIA TF TF018287) and the Government of the Netherlands under the Bank-Netherlands partnership program (TF012466), May 2016. **[Coauthor]**

Balistreri, Edward J., David G. Tarr, and Zoryana Olekseyuk (2015) *Assessing the impact of WTO accession on Belarus: a quantitative evaluation*, The World Bank, [doi link](#). **[Coauthor]**

Ecoplan (2015) *Volkswirtschaftliche Auswirkungen eines Wegfalls der Bilateralen I: Analyse mit einem Mehrländergleichgewichtsmodell*, (translation: Economic ramifications of a discontinuation of the Bilateral I [agreement]: analysis with a multi-country equilibrium model), submitted on behalf of the [Swiss] Secretariat of State for the economy, 12 November 2015, Project lead André Müller of Ecoplan, Bern. **[Model Development]**

Balistreri, Edward J., David G. Tarr, and Hidemichi Yonezawa (2014) *Reducing trade costs in East Africa: deep regional integration and multilateral*

action, Policy Research Working Paper: 7049 (WPS7049), The World Bank, Development Research Group, Trade and International Integration Team, September 2014. [**Coauthor**]

Balistreri, Edward J., and David G. Tarr (2011) *Services Liberalization in Preferential Trade Arrangements: The case of Kenya*, Policy Research Working Paper: 5552 (WPS5552), The World Bank, Development Research Group, Trade and Integration Team, January 2011. [**Coauthor**]

Balistreri, Edward J., Thomas F. Rutherford and David G. Tarr (2008) *Modeling Services Liberalization: The case of Kenya*, Policy Research Working Paper: 4544 (WPS4544), The World Bank, Development Research Group, Trade Team, March 2008. [**Coauthor**]

Balistreri, Edward J., and James R. Markusen (2005) *National and Sub-national Differentiation in General Equilibrium Policy Simulation Models*, Division of Economics and Business, Colorado School of Mines, project sponsored by the United States International Trade Commission (ITC-PO-05-0035: \$38,508, May–August 2005). [**Principal Investigator**]

U.S.-Morocco Free Trade Agreement: Potential Economywide and Selected Sectoral Effects, United States International Trade Commission, Investigation TA-2104-14, August 2004. [**Coauthor**]

U.S. Free Trade Agreement with Central America and the Dominican Republic: Potential Economywide and Selected Sectoral Effects, United States International Trade Commission, Investigation TA-2104-13, June 2004. [**Coauthor**]

U.S.-Australia Free Trade Agreement: Potential Economywide and Selected Sectoral Effects, United States International Trade Commission, Investigation TA-2104-11, May 2004. [**Coauthor**]

U.S.-Andean Countries Free-Trade Agreement: Advice Concerning the Probable Economic Effects, United States International Trade Commission, Investigation TA-131-28 and TA-2104-8, April 2004. [**Numeric simulations only**]

U.S.-Panama Free-Trade Agreement: Advice Concerning the Probable Economic Effects, United States International Trade Commission, Investigation TA-131-27 and TA-2104-7, April 2004. [**Numeric simulations only**]

U.S.-Bahrain Free-Trade Agreement: Advice Concerning the Probable Economic Effects, United States International Trade Commission, Investigation TA-131-26 and TA-2104-6, December 2003. [**Coauthor**]

U.S.-Dominican Republic Free-Trade Agreement: Advice Concerning the Probable Economic Effects, United States International Trade Commission, Investigation TA-131-25 and TA-2104-5, December 2003. [**Numeric simulations only**]

Steel-Consuming Industries: Competitive Conditions with Respect to Steel Safeguard Measures, United States International Trade Commission, Publication 3632, September 2003. [Coauthor]

The Impact of Trade Agreements: Effects of the Tokyo Round, U.S.-Israel FTA, U.S.-Canada FTA, NAFTA, and the Uruguay Round on the U.S. Economy, United States International Trade Commission, Publication 3621, August 2003. [Coauthor]

U.S.-South African Customs Union Free-Trade Agreement: Advice Concerning the Probable Economic Effects, United States International Trade Commission, Investigation TA-131-23 and TA-2104-3, April 2003. [Coauthor]

Oil and Gas Field Services: Impediments to Trade and Prospects for Liberalization, United States International Trade Commission, Publication 3582, March 2003. [Coauthor and Reviewer]

U.S.-Chile Free-Trade Agreement: Advice Concerning the Probable Economic Effects, United States International Trade Commission, Investigation 332-442, Fall 2002. [Primary Reviewer]

The Economic Effects of Significant U.S. Import Restraints: Third Update 2002, United States International Trade Commission, Publication 3519, June 2002. [Coauthor]

A General Equilibrium Assessment of OTAG Regulations: State and Regional Impacts, Charles River Associates, Inc., report prepared for Southern Company Services, February 1998.[Coauthor]

Economic Implications of the Adoption of Limits on Carbon Emissions from Industrialized Countries, Charles River Associates, Inc., report prepared for the American Automobile Manufacturers Association, November 1997.[Coauthor]

An Evaluation of Public Preferences for Superfund Site Cleanup, Volume 1: A Preliminary Assessment, The Center for Economic Analysis and The Center for Research on Judgment and Policy, University of Colorado—Boulder, report submitted to the USEPA, March 1995.[Coauthor]

An Evaluation of Public Preferences for Superfund Site Cleanup, Volume 2: A Pilot Study, The Center for Economic Analysis and The Center for Research on Judgment and Policy, University of Colorado—Boulder, report submitted to the USEPA, March 1994.[Coauthor]

McClelland, Gary, William Schulze, and Edward Balistreri (1994) *An Examination of Performance Testing Requirements for Contingent Valuation*, The Center for Economic Analysis and The Center for Research on Judgment and Policy, University of Colorado—Boulder, report reproduced in its entirety as an appendix to *Comments on the Proposed NOAA/DOI Regulations on Natural Resource Damage Assessment*, USEPA, Washington DC, October 1994. [Coauthor]

Other Publications

‘Wagin a Global Trade War Alone: The Cost of Blanket Tariffs on Friend and Foe’ with Christine McDaniel (2024) *Yeutter Institute International Trade Policy Review*, October 2, University of Nebraska—Lincoln

Joint publication: *Agricultural Policy Review*, Fall 2024, CARD, Iowa State University.

‘Is the United States Trying to Undermine the WTO?’ (2022) *Agricultural Policy Review*, Winter 2022, CARD, Iowa State University.

‘The State-level Burden of the Trade War: Interactions between the Market Facilitation Program and Tariffs’ with Wendong Zhang and John Beghin (2020) *Agricultural Policy Review*, Winter 2020, CARD, Iowa State University.

‘International Trade Policy: Insights from a General-equilibrium Approach’ (2019) *Agricultural Policy Review*, Winter 2019, CARD, Iowa State University.

‘The Impact of the 2018 Trade Disruptions on the Iowa Economy’ with Chad E. Hart, Dermot J. Hayes, Minghao Li, Lee Schulz, David A. Swenson, Wendong Zhang, and John M. Crespi (2018) *CARD Policy Briefs*, Iowa State University, September 2018, 18-PB 25.

Winner of the 2019 *Agricultural & Applied Economics Association’s* Bruce Gardner Memorial Prize for Applied Policy Analysis.

‘Consumption rebound could undermine border carbon-adjustment charges’ with Daniel Kaffine and Hidemichi Yonezawa (2018) *Nature*, Correspondence, vol. 560, p.553.

‘Introduction to the EMF 29 special issue on the role of border carbon adjustment in unilateral climate policy’ with Christoph Böhringer, Thomas F. Rutherford and John Weyant (2012) *Energy Economics* 34(S2), S95–S96.

Book Review: *Hacia El Futuro: Energy and the Environment in 21st Century Mexico* by Maria Eugenia Ibarrarán and Roy Boyd (2006), Springer, Review in *The Energy Journal* 29(1) 173–175, January 2008.

‘Large-scale CGE modeling at the United States International Trade Commission’ with others (2002), printed in the proceedings of the Fifth Annual Conference on Global Economic Analysis, June 5-7, Taipei, Taiwan, Vol.2, pp. O1-O18.

‘USAGE-ITC: data and parameters,’ with others (2002), printed in the proceedings of the Fifth Annual Conference on Global Economic Analysis, June 5-7, Taipei, Taiwan, Vol.2, pp. O44-O66.

‘Dynamic General Equilibrium Analysis at the State Level: Assessing the economic implications of the Kyoto Protocol,’ with Thomas F. Rutherford

(2001), printed in the proceedings of the Fourth Annual Conference on Global Economic Analysis, June 27-29, Purdue University, West Lafayette, IN, Vol.2, Session 1, Regional Economics I.

REFEREEING
SERVICE

American Economic Review, American Journal of Agricultural Economics, Canadian Journal of Economics, China Economic Review, Economic Inquiry, Economic Modelling, Economics Letters, Economics and Politics, Économie Internationale, Energy Economics, The Energy Journal, Energy Studies Review, Environmental and Resource Economics, European Economic Review, Integration and Trade, International Economic Journal, Journal of the Association of Environmental and Resource Economists, Journal of Environmental Economics and Management, Journal of International Economics, Quarterly Journal of Economics, Regional Studies, Resources and Energy Economics, Resources Policy, Review of International Economics, The World Bank Policy Research Working Paper Series, World Economy, World Trade Review; and abstract reviews for the 2006, 2007, 2008, 2011 and 2016 GTAP conferences and the 2016 AERE conference.

TEACHING AND
UNIVERSITY
SERVICE

PhD Advisees:

Gyu Hyun Kim (2021) *Three Essays on International Economics*, ISU, Department of Econ, spring 2021, coadvisor Segio H. Lence

Sangho Shin (2021) *Three Essays on International Trade*, ISU, Department of Econ, spring 2021, coadvisor E. Kwan Choi

Khalid Aljihrish (2015) *International Market Power in Oil and Responses to Climate Policy*, CSM Division of Econ&Bus, summer 2015

Yahya Anouti (2015) *Resource Linkages and Sustainable Development*, CSM Division of Econ&Bus, spring 2015, coadvisor Carol Dahl

Hidemichi Yonezawa (2012) *Theoretic and Empirical Issues Related to Border Carbon Adjustments*, CSM Division of Econ&Bus, fall 2012

Lauren M. Davis (2009) *Modeling the State-level Impacts of Carbon Policy: The Case of Colorado*, CSM Division of Econ&Bus, fall 2009

Ayed Al-Qahtani (2008) *A Model for the Global Oil Market: Optimal Oil Production Levels for Saudi Arabia*, CSM Division of Econ&Bus, fall 2008, coadvisor Carol Dahl

Undergraduate and Combined Courses

International Trade (CSM; Nebraska)	EBGN 441/541; ECON 421
Public Economics (CSM)	EBGN 443
Advanced topics in Microeconomics (CSM)	EBGN 404/598
Business Strategy (CSM)	EBGN 315
Intermediate Microeconomics—Quantitative (Nebraska)	ECON 312A
Introduction to Ag. Markets (ISU)	ECON 235

Graduate Courses

Advanced Microeconomic Theory I (Nebraska/PhD Core)	ECON 612A
International Economics (Nebraska/PhD Elective)	ECON 921
International Trade (ISU/PhD Elective)	ECON 655
Microeconomics I (ISU/PhD Core)	ECON 601
Advanced Microeconomics (CSM/PhD Core)	EBGN 611
Research Methodology (CSM/PhD Core)	EBGN 695
Microeconomics (CSM/MS and PhD Core)	EBGN 511
Environmental Economics (CSM/MS and PhD Elective)	EBGN 570
Economics and Decision Making (CSM/ETM)	EBGN 515

Thesis Committees

	(Degree, Institution, Completion Date)
Amine Hedoui	(PhD, Nebraska Ag. Econ, fall 2023)
Andrew Schreiber	(PhD, Wisconsin Ag. & Applied Econ, spring 2018)
Maxwell Brown	(PhD, CSM Division of Econ&Bus, spring 2017)
Nan Xu	(PhD, CU–Boulder Econ Dept., spring 2017)
Jacquelyn Pless	(PhD, CSM Division of Econ&Bus, spring 2016)
Fadli Rahman	(PhD, CSM Division of Econ&Bus, spring 2016)
Zoryana Olekseyuk	(PhD, Uni. Duisburg–Essen, Econ, fall 2015)
Karri Hickenbottom	(PhD, CSM Civil&Env. Engr., summer 2015)
Yibei Liu	(PhD, CU–Boulder Econ Dept., summer 2014)
Greg Steeger	(PhD, CSM Division of Econ&Bus, spring 2014)
Brian Batson	(PhD, CSM Division of Econ&Bus, spring 2014)
Peifang Yang	(PhD, CSM Division of Econ&Bus, spring 2014)
Kyungsoo Oh	(PhD, CU–Boulder Econ Dept., spring 2013)
Kaylee Acuff	(PhD, CSM Division of Econ&Bus, spring 2013)
Megumi Nishimura	(PhD, CU–Boulder Econ Dept., summer 2012)
Christopher M. Worley	(PhD, CSM Division of Econ&Bus, spring 2011)
Bridget Strand	(PhD, CU–Boulder Econ Dept., fall 2010)
Daniel Jerrett	(PhD, CSM Division of Econ&Bus, spring 2010)
Emily Newes	(MS, CSM Division of Econ&Bus, summer 2009)
Yen-Heng Chen	(PhD, CU–Boulder Econ Dept., fall 2008)
Leila Dagher	(PhD, CSM Division of Econ&Bus, fall 2008)
Alex Schroeder	(MS, CSM Division of Econ&Bus, spring 2007)
Mei Yuan	(PhD, CU–Boulder Econ Dept., spring 2007)
Lei Yang	(PhD, CU–Boulder Econ Dept., spring 2007)
Roberto F. Aguilera	(PhD, CSM Division of Econ&Bus, fall 2006)
J. Tyler Hodge	(PhD, CSM Division of Econ&Bus, fall 2006)
Claudio Valencia	(PhD, CSM Division of Econ&Bus, spring 2005)

Other Faculty Service

Chair of the Graduate Committee, Economics, UNL	2022–
Faculty Search Committee, Chair, UNL	2021–2022
Personnel Committee, UNL	2021–
Economics Council, Chair, Iowa State University	2019–2020
Faculty Search Committees, Iowa State University	2017–2019
Faculty Search Committees, Colorado School of Mines	2005–2016
Graduate Admissions Committee, Colorado School of Mines	2011–2013
The Research Council of the Colorado School of Mines	2007–2011
The Undergraduate Council of the Colorado School of Mines	2004–2007

OTHER
PROFESSIONAL
ACTIVITIES

Recent Presentations

GTAP Conference, Fort Collins, CO	June 2024
US International Trade Commission, online	Oct. 2021
GTAP Conference, online	June 2021
US International Trade Commission, online	June 2021
WiNDC Annual Meeting, online	Apr. 2020
US International Trade Commission, Washington DC	Dec. 2019
IATRC Annual Meeting (Theme Day), Washington DC	Dec. 2019
University of Nebraska, Lincoln NE	Dec. 2019
Clayton Yeutter Institute (UNL), Lincoln NE	Oct. 2019
GTAP Conference, Warsaw Poland	June 2019
WiNDC Advisory Board Meeting, Madison WI	Mar. 2019
USEPA Workshop on Labor Dynamics, Washington DC	Dec. 2018
Iowa AgState Group, Ankeny, IA	Nov. 2018
Incidence of Climate Change and Policies, Oldenburg DE	June 2018
EDF, State-level Modeling Meeting, Washington DC	Jan. 2018

Short Courses

20th Workshop on Economic Modeling (WEM): Computable General Equilibrium Analysis of Global Challenges using GTAPinGAMS and MPSGE, with Christoph Böhringer and Casiano Manrique, Universidad de Las Palmas de Gran Canaria, February 19-23, 2024

19th Workshop on Economic Modeling (WEM): International Trade Policy Analysis using GTAPinGAMS and GAMS/MPSGE, with Christoph Böhringer and Casiano Manrique, Universidad de Las Palmas de Gran Canaria, March 11-15, 2019

Ruhr Graduate Summer School 2017: Trade and Climate Policy Analysis with GAMS and MPSGE, with Christoph Böhringer and Volker Clausen, University of Duisburg-Essen, Germany, September 25 - September 29, 2017

Ruhr Graduate Summer School 2016: Trade and Climate Policy Analysis with GAMS and MPSGE, with Christoph Böhringer and Volker Clausen, University of Duisburg-Essen, Germany, September 19 - September 23, 2016

Ruhr Graduate Summer School 2015: Trade and Climate Policy Analysis with GAMS and MPSGE, with Christoph Böhringer and Volker Clausen, University of Duisburg-Essen, Germany, September 28 - October 2, 2015

Ruhr Graduate Summer School 2014: Trade and Climate Policy Analysis with GAMS and MPSGE, with Christoph Böhringer and Volker Clausen, University of Duisburg-Essen, Germany, September 29 - October 3, 2014

Ruhr Graduate Summer School 2013: Trade and Climate Policy Analysis with GAMS and MPSGE, with Christoph Böhringer and Volker Clausen, University of Duisburg-Essen, Germany, August 5-9, 2013

13th Workshop on Economic Modeling (WEM): Computable General Equilibrium Analysis Using GTAPinGAMS and New Trade Theory, with Christoph Böhringer and Casiano Manrique, Universidad de Las Palmas de Gran Canaria, March 11-15, 2013

12th Workshop on Economic Modeling (WEM): Applied General Equilibrium Analysis of Trade and Climate Policies using GAMS and GTAP, with Christoph Böhringer and Casiano Manrique, Universidad de Las Palmas de Gran Canaria, March 12-16, 2012

Introduction to Computable General Equilibrium Modeling with GAMS and MPSGE, with James R. Markusen, University of Melbourne, July 11-15, 2011

Significant Consulting Projects

WTO DS437 United States–Countervailing Duty Measures on Certain Products from China (2019-2021), client: Steptoe & Johnson LLP.

How Large are the Welfare Impacts of the Heterogeneous Firms Model: Results from an Assessment of the Trans-Pacific Partnership and from Stylized Models (2016-2018), client: The World Bank.

The relative impacts on U.S. producers of Crystalline Silicon Photovoltaic Cells of import competition from Korea (2017), submitted testimony to the USITC in the Safeguard (section 201) case on imports of solar cells, client: Curtis, Mallet-Prevost, Colt & Mosle LLP.

Poverty and Shared Prosperity Implications of Deep Integration in Eastern and Southern Africa (2015), client: The World Bank.

Policy reforms in Belarus: empirical model development, including imperfect-competition and foreign direct investment (2014), client: The World Bank.

Reducing trade costs in East Africa: a GTAP based multiregion approach with imperfect-competition and foreign direct investment (2012-2014), client: The World Bank.

Policy reforms in Malaysia: empirical model development, including imperfect-competition and foreign direct investment (2012), client: The World Bank.

Foreign direct investment in services: model development (2011), client: The World Bank.

Welfare analysis of services liberalization in Kenya, including imperfect-competition and heterogeneous-firms formulations (2008-2010), client: The World Bank.

State-level Impact Assessment Model (SIAM), which analyzed climate-change policy, development and maintenance for Charles River Associates (1998-2001), client: Electric Power Research Institute.

Analyzed the distributional impacts of alternative carbon-policy revenue recycling mechanisms (2000), client: Electric Power Research Institute.

Analyzed the role of the Diesel internal combustion engine in the U.S. economy (2000), client: Diesel Technology Forum.

Contributed analysis for regulatory filings in a major electric utility merger (1998-1999).

Developed and implemented a merger simulation model to analyze the price impacts of a proposed merger between two major suppliers of a retail food product, for potential use in filings and litigation (1998).

Explored the role of alternative unemployment formulations and their practicality for implementation in dynamic general-equilibrium models of climate-change policy (1998), client: Electric Power Research Institute.

Applied a merger simulation model to analyze impacts in the telecommunications industry (1998).

Analyzed the impacts of proposed regulations to curb NOx emissions (state implementation plans or SIPs) in the OTAG regions (1998), client: Southern Company Services.

REFERENCES Available upon request