

Department of Economics
Purdue University
West Lafayette, IN 47907-1310
email: hummelsd@purdue.edu
web: www.mgmt.purdue.edu/faculty/hummelsd

phone: (765) 494-4495
fax: (765) 494-9658

Education

Ph.D. Economics (1995), University of Michigan
M.A. Economics (1992), University of Michigan
B.A. Economics and Political Science, Summa cum laude, University of Colorado

Employment

Purdue University, Dean, Krannert School of Management (2014- present)
Purdue University, Department of Economics – Professor of Economics (2007 – present)
Purdue University Associate Professor (2002 – 2007), Assistant Professor (2000-2002)
Univ. of Chicago, Graduate School of Business – Assistant Professor of Economics (1995 – 2000)

Other Affiliations

Research Associate, National Bureau of Economic Research
Visiting Associate Professor, University of Chicago GSB 2007.
Visiting Fellow/Scholar: Monash University 2012; Asia Development Bank, 2006; Federal Reserve Board of Governors 2006; International Monetary Fund 2002-2003; Minneapolis Federal Reserve Bank 2001-2002

Grants

Danish Council for Independent Research | Social Sciences (FSE) Grant 2014-2016, for “Globalizing Firms and Workers’ Health”
Lilly Endowment 2013-2018, for “Transforming Indiana into a Magnet for High Technology Jobs”
GSCM Grant 2010, for “Disorganization and Diversification in Global Supply Chains”
CIBER Grant 2010, for “Information, Globalization and Services Trade in the Internet Age”
Danish Council for Independent Research | Social Sciences (FSE) Grant 2010-2012, for “Product Quality Differentiation Among Danish Exporters”
National Science Foundation Grant 2009-2012 “TLS Applied Visual Analytics for Economic Decision Making”
OECD Grant 2009, for "Consequences for Fuel Use and CO2 Emissions of Trade Liberalization"
GSCM Grant 2007, for “Valuing Timeliness in Global Supply Chains”
EPRN Network Grant 2007-2008 for “Danish Firms and the Source of Productivity Gains from International Integration”
National Science Foundation Grant, 2003-2006, for “Time as a Trade Barrier”
CIBER Grant, 2004 for “Face Time: Information and International Commerce”
World Bank Research Grant, 2003-2004 for “Geography, Trade and Growth”
CIBER Grant, 2000 for "Intra-national Home Bias"

Awards, Honors

Outstanding Innovation in Graduate Teaching, 2013.
Excellence in MBA Teaching, 2011, 2012, 2013
Excellence in Executive MBA Teaching 2012
Excellence in Undergraduate Teaching, 2005.
University Faculty Scholar (Purdue University), 2007-2012.
Krannert Faculty Fellow, 2004.
Alfred P. Sloan Foundation, Pre-doctoral Fellow, 1994-95
Phi Beta Kappa

Publications

- “The Wage Effects of Offshoring: Evidence from Danish Matched Worker-Firm Data”, *American Economic Review* 104 (2014): 1597-1629 (with Rasmus Jorgensen, Jakob Munch, Chong Xiang)
- Reprinted in Goldberg (ed), *Trade and Inequality* (2015). Edward Elgar Publishers.
- “Time as a Trade Barrier” *American Economic Review* 103 (2013) 2935-59. (with Georg Schaur)
- “Trade and the Greenhouse Gas Emissions from International Freight Transport”, *Journal of Environmental Economics and Management* 65 (2013) 153-173. (with Anca Cristea, Laura Puzzello, Misak Avetisyan)
- “Offshoring, Transition and Training: Evidence from Danish Matched Worker Firm Data” *American Economic Review P&P*, 102 (2012) 424-428 (with Jakob Munch, Lars Skipper, Chong Xiang)
- “Hedging Price Volatility using Fast Transport”, *Journal of International Economics* 82 (2010) 15-25.
(with Georg Schaur)
- “Explaining Import Quality: the Role of the Income Distribution” *Journal of International Economics* 77 (2009), pp. 265-276. (w/ Yo Chul Choi, Chong Xiang)
- “The Trade Reducing Effects of Market Power in International Shipping” *Journal of Development Economics* 89 (2009), pp. 84-97. (w/ Volodymyr Lugovskyy, Alexandre Skiba)
- “International Pricing in a Generalized Model of Ideal Variety”, *Journal of Money, Credit, and Banking* 41 (2009) pp. 3-33. (lead article) (with Volodymyr Lugovskyy)
- formerly titled, “Trade in Ideal Varieties: Theory and Evidence” NBER WP # 11828.
- “Trade Responses to Geographic Frictions: A Decomposition Using MicroData”, *European Economic Review* 52 (2008) pp. 527-550. (with Russell Hillberry)
- “Transportation Costs and International Trade In the Second Era of Globalization”, *Journal of Economic Perspectives* 21 (2007) pp. 131-154.
- Reprinted in Anderson and Hoekman (eds) Critical Perspectives on the Global Trading System and the WTO, (2011) Edward Elgar Publishers.

- Reprinted in Button and Vega (eds) Globalization and Transport, (2012) Edward Elgar.
- Reprinted in Vickerman (ed) Recent Developments in the Economics of Transport (2012) Edward Elgar.

“How Confident can we be in CGE-Based Assessments of Regional Trade Agreements?” *Economic Modeling* 24 (2007) pp. 611-635. (w/ Tom Hertel, Maros Ivanic, Roman Keeney),

“Are Matched Partner Trade Statistics Usable Measures of Transportation Costs?”, *Review of International Economics* 14 (2006). (with Volodymyr Lugovskyy)

“The Variety and Quality of a Nation’s Exports” *American Economic Review* 95 (2005) 704-723. (with Peter Klenow)

“Shipping the Good Apples Out: An Empirical Confirmation of the Alchian-Allen Conjecture” *Journal of Political Economy* 112 (2004) 1384-1402. (with Alexander Skiba)

“Alternative Hypotheses and the Volume of Trade: The Gravity Equation and the Extent of Specialization” *Canadian Journal of Economics* 37 (2004) 199-218. (with Jon Haveman)

“Intra-national Home Bias: Some Explanations”, *Review of Economics and Statistics*, 85 (2003) 1089-1092. (with Russell Hillberry).

"The Nature and Growth of Vertical Specialization in World Trade", *Journal of International Economics*, 54 (2001) 75-96. (with Jun Ishii and Kei-Mu Yi)

- Reprinted in Hufbauer (ed), The Economics of Free Trade, (2011) Edward Elgar Publishers

"Vertical Specialization and the Changing Nature of World Trade", *Economic Policy Review*, June (1998), 79-99. Federal Reserve Bank of New York. (with Dana Rapoport and Kei-Mu Yi).

"Trade Creation and Trade Diversion: New Empirical Results", *Journal of Transnational Management Development*. Vol 3, 1998, pp. 57-72. (with Jon Haveman)

- reprinted in Buckley, et al (eds.) Globalization and regionalization : strategies, policies, and economic environments, New York: International Business Press. (1998)

“Monopolistic Competition and International Trade: Reconsidering the Evidence”, *Quarterly Journal of Economics* 110 (1995) 799-836. (with James Levinsohn).

- Reprinted in Leamer (ed) Outstanding Contributions in Economics: International Economics (2001), Worth, NY,
- Reprinted in Lloyd and Grubel (eds), Intra-Industry Trade (2002), Edward Elgar Publishing, Inc.
- Reprinted in Bernhofen (ed) Empirical International Trade (2010), Edward Elgar Publishing

“Evolving Patterns of North American Merchandise Trade and Foreign Direct Investment, 1960-1990”, *World Economy*, 17 (1994) 5-29. (with Robert Stern)

“Gender Effects in Laboratory Public Goods Contribution: Do Individuals Put Their Money Where Their Mouth Is?”, *Journal of Economic Behavior and Organization*, 22 (1993), 255-267. (with Jamie Brown-Kruse)

“Product Differentiation as a Source of Comparative Advantage?”, *American Economic Review P&P*, 83 (1993) 445-449. (with James Levinsohn)

Working Papers in Progress

“Offshoring and Labor Markets” (with Jakob Munch and Chong Xiang) *under review*.

“Estimating the Gains from Liberalizing Services Trade: The Case of Passenger Aviation” (with Anca Cristea and Brian Roberson)

“Bertrand-Edgeworth Competition, Demand Uncertainty, and Intra-Firm Price Dispersion” (with Brian Roberson and Anca Cristea)

“Income Elastic Goods and the Great Trade Collapse: Evidence from Microdata” (with Kwan Yong Lee)

“No Pain, No Gain: The Effects of Exporting on Job Injury and Sickness” (with Jakob Munch and Chong Xiang)

“Estimating Import Demand Elasticities Within and Across Goods” (with John Lopresti)

“Globalization and CEO Pay: Estimating the Value of Good Leaders in Complex Firms” (with Sven Andersen and Jakob Munch)

Book Chapters

“Developing a GTAP-Based Multi-Region, Input-Output Framework for Supply Chain Analysis” in *Asia and Global Production Networks-Implications for Trade, Incomes and Economic Vulnerability*. 2014. Benno Ferrarini and David Hummels (eds). Asian Development Bank and Edgar Elgar Publishing. (with Tom Hertel and Terrie Walmsley)

“The Vulnerability of the Asian Supply Chain to Localized Disasters” in *Asia and Global Production Networks-Implications for Trade, Incomes and Economic Vulnerability*. 2014. Benno Ferrarini and David Hummels (eds). Asian Development Bank and Edgar Elgar Publishing. (with Tom Hertel and Terrie Walmsley)

“Asia and Global Production Networks” in *Asia and Global Production Networks-Implications for Trade, Incomes and Economic Vulnerability*. 2014. Benno Ferrarini and David Hummels (eds). Asian Development Bank and Edgar Elgar Publishing. (with Benno Ferrarini)

“Introduction: The Economics of Food Price Volatility” in The Economics of Food Price Volatility. University of Chicago Press. 2013. Jean-Paul Chavas, David Hummels, Brian Wright, eds.

“Trade Elasticity Parameters for a CGE Model” in Dixon and Jorgenson (eds) Handbook of Computable General Equilibrium Modeling, Elsevier. 2012. (with Russell Hillberry)

“Transportation Costs and Adjustments to Trade” in Trade Adjustment Costs in Developing Countries: Impacts, Determinants and Policy Responses, World Bank and Centre for Economic Policy Research, Guido Porto and Bernard M Hoekman, eds. 2010

“Vertical Specialization: Evidence from East Asia 1975-2000” in Input Trade and Production Networks in East Asia, JETRO-IDE and Edward Elgar, 2010. (with Yoko Uchida)

“Some Evidence on the Nature and Growth of Input Trade”, in Input Trade and Production Networks in East Asia, JETRO-IDE and Edward Elgar, 2010. (with Laura Puzzello)

"Trends in Asian Trade: Implications for Transport Infrastructure and Trade Costs" in Infrastructure's Role in Lowering Asia's Trade Costs: Building for Trade. Edward Elgard Publishers 2008. Douglas H. Brooks and David Hummels, eds.

“Trade and Logistics: An East Asian Perspective”, in East Asia Integrates (eds: Krumm, Kathie, and Kharas, Homi) World Bank. (2003). (with Robin Carruthers and Jitendra Bajpai)

“A Virtuous Cycle? Regional Tariff Liberalization and Scale Economies in Transport”, in FTAA and Beyond: Prospects for Integration in the America. (eds. Estevadeordal, Rodrik, Taylor, Velasco), Harvard University Press. (2004) (with Alexandre Skiba)

“Congestion and Taxation in Lumpy Countries”, in Environmental and Public Economics : Essays in Honor of Wallace E. Oates Edward Elgar. (1999) (with Paul Courant and Alan Deardorff)

Books/Monographs

Asia and Global Production Networks-Implications for Trade, Incomes and Economic Vulnerability. 2014. Benno Ferrarini and David Hummels (eds). Asian Development Bank and Edgar Elgar Publishing.

The Economics of Food Price Volatility. University of Chicago Press. 2013. Jean-Paul Chavas, David Hummels, Brian Wright, eds.

Infrastructure's Role in Lowering Asia's Trade Costs: Building for Trade. Edward Elgard Publishers 2008. Douglas H. Brooks and David Hummels, eds.

California’s Global Gateways: Exploring the Landscape. Public Policy Institute of California. 2004 (with Jon Haveman)

Comments / Reviews

Book review for “Moving Boxes by Air: The Economics of International Air Cargo”, in *Journal of Economic Literature* (2012)

Book review for “China’s Growing Role in World Trade” by Feenstra, Wei in *Journal of International Economics* 83 (2011) 92-94.

Book review for “Free Trade Under Fire” by Irwin, in *Journal of Economic Literature* 42 (2004) 521-522.

Book review for “Globalization and the Theory of Input Trade” by Jones, in *Journal of International Economics* 57(2002) 491-493.

Book review for “Fragmentation: New Production Patterns in the World Economy” by Arndt and Kierzkowski, in *Journal of Economic Geography* 2 (2002) 368-369.

Comment on “Imported Inputs and the Domestic Content of Production by Foreign-Owned Manufacturing Affiliates in the United States” by William Zeile, in Geography and Ownership as Bases for Economic Accounting (eds) Baldwin, Robert E, Robert E Lipsey, and J. David Richardson. University of Chicago Press, (1998).

Comment on “Regionalization of World Trade and Currencies: Economics and Politics” by Jeffrey Frankel and Shang-Jin Wei, in The Regionalization of the World (ed) Jeffrey Frankel, University of Chicago Press, (1998).

Editorial Boards

Associate Editor, *Journal of International Economics*

Editorial Board, *GTAP Journal of Global Economic Analysis*

Referee activity

American Economic Journal: Macro, American Economic Journal: Applied Economics; American Economic Review, American Journal of Agricultural Economics, Berkeley Electronic Press, Canadian Journal of Economics, Contemporary Economic Policy, Danish Council for Independent Research, Econometrica, Economic Bulletin, Economic History Review, Economic Inquiry, Economic Journal, Economic Theory, Empirical Economics, Environment and Planning A, European Economic Review, IMF Staff Papers, International Economic Review, Journal of Business, Journal of Agriculture and Resource Economics, Journal of Applied Econometrics, Journal of Development Economics, Journal of Development Studies, Journal of Economic Behavior and Organization, Journal of Economic Education, Journal of Economic Geography, Journal of Economic Integration, Journal of the European Economics Association, Journal of International Economics, Journal of International Trade and Economic Development, Journal of the Japanese and International Economies, Journal of Law and Economics, Journal of Monetary Economics, Journal of Political Economy, Journal of Public Economics, Journal of

the World Economy, Management Science, National Science Foundation, Quarterly Journal of Economics, Review of Economic Studies, Review of Economics and Statistics, Review of International Economics, Scandinavian Journal of Economics, Southern Economic Journal, World Bank Economic Review, World Economy, World Trade Review.

Related Experience: Consultant for US Agency for International Development, World Bank, International Monetary Fund, Asian Development Bank, InterAmerican Development Bank, Organization for Economic Cooperation and Development, Public Policy Institute of California.