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EDUCATION

- Ph.D. – Economics, University of Michigan (1995)
- M.A. – Economics, University of Michigan (1992)
- B.A. – Economics and Political Science, University of Colorado (1990)

EMPLOYMENT AND APPOINTMENTS

- Purdue University
 - Distinguished Professor, 2019-present
 - Dr. Samuel R. Allen Dean, Krannert School of Management, 2015 – 2023
 - Interim Dean, 2014-2015
 - Professor, 2007 – 2019; Associate Professor, 2002 – 2007; Assistant Professor, 2000-2002
- University of Chicago, Graduate School of Business
 - Assistant Professor, 1995 – 2000

PROFESSIONAL AFFILIATIONS AND SERVICE

- Research Associate, National Bureau of Economic Research
- Visiting Fellow/Scholar: Monash University (2012); University of Chicago GSB (2007); Asia Development Bank (2006); Federal Reserve Board of Governors (2006); International Monetary Fund (2002-2003); Minneapolis Federal Reserve Bank (2001-2002)
- Editorial Board, *Journal of Global Economic Analysis*
- Editorial Board, *Maritime Economics and Logistics*
- Associate Director, *Forum for Research on Empirical International Trade*
- Past: Associate Editor, *Journal of International Economics*

JOURNAL PUBLICATIONS

28. “No Pain, No Gain: Work Demand, Work Effort, and Worker Health” (with Jakob Munch and Chong Xiang), forthcoming *Review of Economics and Statistics*.
27. “The Income Elasticity of Import Demand: Micro Evidence and an Application” (with Kwan Yong Lee), *Journal of International Economics* 113 (2018), pp. 20-34.
26. “Offshoring and Labor Markets” (with Jakob Munch and Chong Xiang), *Journal of Economic Literature* 56 (2018), pp. 981-1028.
25. “CareerVis: Hierarchical Visualization of Career Pathway Data” (with Mingran Li, Wenjie Wu, Junahn Zhao, Keyuan Zhou, David Perkis, Tim Bond, Kevin Mumford, Yingjie Chen), *IEEE Computer Graphics and Applications* 38 (2018), pp. 96-105.
24. “The Wage Effects of Offshoring: Evidence from Danish Matched Worker-Firm Data” (with Rasmus Jorgensen, Jakob Munch, Chong Xiang), *American Economic Review* 104 (2014), pp. 1597-1629. Reprinted in Goldberg (ed.), *Trade and Inequality* (2015), Edward Elgar Publishers.
23. “Time as a Trade Barrier” (with Georg Schaur), *American Economic Review* 103 (2013), pp. 2935-2959.
22. “Trade and the Greenhouse Gas Emissions from International Freight Transport” (with Anca Cristea, Laura Puzzello, Misak Avetisyan), *Journal of Environmental Economics and Management* 65 (2013), pp. 153-173.
21. “Education and Labor Market Policies in an Offshoring Global Economy” (with Jakob Munch, Chong Xiang), *Nordic Economic Policy Review November* (2013), pp 75-98.
20. “Offshoring, Transition and Training: Evidence from Danish Matched Worker-Firm Data” (with Jakob Munch, Lars Skipper, Chong Xiang), *American Economic Review P&P* 102 (2012), pp. 424-428.

19. "Hedging Price Volatility using Fast Transport" (with Georg Schaur), *Journal of International Economics* 82 (2010), pp. 15-25.
18. "Explaining Import Quality: the Role of the Income Distribution" (with Yo Chul Choi, Chong Xiang), *Journal of International Economics* 77 (2009), pp. 265-276.
17. "The Trade Reducing Effects of Market Power in International Shipping" (with Volodymyr Lugovskyy, Alexandre Skiba), *Journal of Development Economics* 89 (2009), pp. 84-97.
16. "International Pricing in a Generalized Model of Ideal Variety" (with Volodymyr Lugovskyy), *Journal of Money, Credit, and Banking* 41 (2009), pp. 3-33. (lead article) - formerly titled, "Trade in Ideal Varieties: Theory and Evidence" NBER WP # 11828.
15. "Trade Responses to Geographic Frictions: A Decomposition Using MicroData" (with Russell Hillberry), *European Economic Review* 52 (2008), pp. 527-550.
14. "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.
13. "How Confident can we be in CGE-Based Assessments of Regional Trade Agreements?" (with Tom Hertel, Maros Ivanic, Roman Keeney), *Economic Modeling* 24 (2007), pp. 611-635.
12. "Are Matched Partner Trade Statistics Usable Measures of Transportation Costs?" (with Volodymyr Lugovskyy), *Review of International Economics* 14 (2006), pp. 69-86.
11. "The Variety and Quality of a Nation's Exports" (with Peter Klenow), *American Economic Review* 95 (2005), pp. 704-723.
10. "Shipping the Good Apples Out: An Empirical Confirmation of the Alchian-Allen Conjecture" (with Alexander Skiba), *Journal of Political Economy* 112 (2004), pp. 1384-1402.
9. "Alternative Hypotheses and the Volume of Trade: The Gravity Equation and the Extent of Specialization" (with Jon Haveman), *Canadian Journal of Economics* 37 (2004), pp. 199-218.
8. "Intra-national Home Bias: Some Explanations" (with Russell Hillberry), *Review of Economics and Statistics* 85 (2003), pp. 1089-1092.
7. "The Nature and Growth of Vertical Specialization in World Trade" (with Jun Ishii and Kei-Mu Yi), *Journal of International Economics* 54 (2001), pp. 75-96.
 - Reprinted in Hufbauer (ed.), *The Economics of Free Trade*, (2011) Edward Elgar Publishers
6. "Vertical Specialization and the Changing Nature of World Trade" (with Dana Rapaport and Kei-Mu Yi), *Economic Policy Review* 4 (1998), pp. 79-99. Federal Reserve Bank of New York.
5. "Trade Creation and Trade Diversion: New Empirical Results" (with Jon Haveman), *Journal of Transnational Management Development* 3 (1998), pp. 57-72.
 - Reprinted in Buckley, et al (eds.) *Globalization and regionalization: strategies, policies, and economic environments*, New York: International Business Press. (1998).
4. "Monopolistic Competition and International Trade: Reconsidering the Evidence" (with James Levinsohn), *Quarterly Journal of Economics* 110 (1995), pp. 799-836.
 - 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.
3. "Evolving Patterns of North American Merchandise Trade and Foreign Direct Investment, 1960-1990" (with Robert Stern), *World Economy* 17 (1994), pp. 5-29.

2. "Gender Effects in Laboratory Public Goods Contribution: Do Individuals Put Their Money Where Their Mouth Is?" (with Jamie Brown-Kruse), *Journal of Economic Behavior and Organization* 22 (1993), pp. 255-267.
1. "Product Differentiation as a Source of Comparative Advantage?" (with James Levinsohn), *American Economic Review P&P* 83 (1993), pp. 445-449.

BOOKS/
MONOGRAPHS

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

The Economics of Food Price Volatility (2013), edited by Jean-Paul Chavas, David Hummels and Brian Wright (University of Chicago Press).

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

California's Global Gateways: Exploring the Landscape (2004), by Jon D. Haveman and David Hummels (Public Policy Institute of California).

BOOK
CHAPTERS

- "Tom Hertel's Influence and Its Lessons for Academic Inquiry" (with Russell Hillberry), in K. Maskus (ed.), *Policy Analysis and Modeling of the Global Economy: A Volume in Honor of Prof. Thomas Hertel*, (2018), (World Scientific Press Co. Series "Studies in International Economics), pp. 9-40.
- "Developing a GTAP-Based Multi-Region, Input-Output Framework for Supply Chain Analysis" (with Tom Hertel and Terrie Walmsley), in B. Ferrarini and D. Hummels (eds.), *Asia and Global Production Networks-Implications for Trade, Incomes and Economic Vulnerability*, (2014), (Asian Development Bank and Edgar Elgar Publishing), pp. 16-80.
- "The Vulnerability of the Asian Supply Chain to Localized Disasters" (with Tom Hertel and Terrie Walmsley), in B. Ferrarini and D. Hummels (eds.), *Asia and Global Production Networks-Implications for Trade, Incomes and Economic Vulnerability*, (2014), (Asian Development Bank and Edgar Elgar Publishing), pp. 81-111.
- "Asia and Global Production Networks: Implications for Trade, Incomes and Economic Vulnerability" (with Benno Ferrarini), in B. Ferrarini and D. Hummels (eds.), *Asia and Global Production Networks-Implications for Trade, Incomes and Economic Vulnerability*, (2014), (Asian Development Bank and Edgar Elgar Publishing), pp. 1-15.
- "Introduction: The Economics of Food Price Volatility" in J.-P. Chavas, D. Hummels, and B. Wright (eds.), *The Economics of Food Price Volatility*, (2013), (University of Chicago Press), pp. 1-11.
- "Trade Elasticity Parameters for a CGE Model" (with Russell Hillberry), in P. Dixon and D. Jorgenson (eds.), *Handbook of Computable General Equilibrium Modeling*, (2012), (Elsevier), pp. 1213-1269.
- "Transportation Costs and Adjustments to Trade" in G. Porto and B. M. Hoekman (eds.), *Trade Adjustment Costs in Developing Countries: Impacts, Determinants and Policy Responses*, (2010), (World Bank and Centre for Economic Policy Research), pp. 131-154.
- "Vertical Specialization: Evidence from East Asia 1975-2000" (with Yoko Uchida), in D. Hiratsuka and Y. Uchida (eds.), *Input Trade and Production Networks in East Asia* (2010), (JETRO-IDE and Edward Elgar), pp. 14-40.
- "Some Evidence on the Nature and Growth of Input Trade" (with Laura Puzzello), in D. Hiratsuka and Y. Uchida (eds.), *Input Trade and Production Networks in East Asia*, (2010), (JETRO-IDE and Edward Elgar), pp. 41-61.
- "Trends in Asian Trade: Implications for Transport Infrastructure and Trade Costs" in D. H. Brooks and D. Hummels (eds.), *Infrastructure's Role in Lowering Asia's Trade Costs: Building for Trade*, (2008),

(Edward Elgard Publishers), pp. 17-36.

- “Trade and Logistics: An East Asian Perspective” (with Robin Carruthers and Jitendra Bajpai), in K. Krumm and H. Kharas (eds.), *East Asia Integrates*, (2004), (World Bank and Oxford University Press), pp. 77-94.
- “A Virtuous Cycle? Regional Tariff Liberalization and Scale Economies in Transport” (with Alexandre Skiba), in A. Estevadeordal, D. Rodrik, A. M. Taylor, and A. Velasco (eds), *FTAA and Beyond: Prospects for Integration in the America*, (2004), pp. 606-633.
- “Congestion and Taxation in Lumpy Countries” (with Paul Courant and Alan Deardorff), in A. Panagariya, P. R. Portney, and S. M Schwab (eds.), *Environmental and Public Economics: Essays in Honor of Wallace E. Oates*, (1999), pp. 169-188.

OTHER PUBLICATIONS

(Short article) “Trade and Greenhouse-Gas Emissions: How Important is International Transport” (with Anca Cristea and Laura Puzzello), (17 Dec 2011).

<http://voxeu.org/article/dirty-trade-how-important-are-greenhouse-gas-emissions-international-transport>

(Short Article) “Offshoring, Inequality and the Value of College Degrees” (with Rasmus Jorgensen, Jakob Munch, and Chong Xiang), (10 Dec 2011).

<http://voxeu.org/article/globalisation-and-higher-education-different-degrees-success>

(Book review) *Moving Boxes by Air: The Economics of International Air Cargo*, by Peter S. Morrell and Thomas Klein (Routledge), in *Journal of Economic Literature* 50.3 (Sep 2012), pp. 807-809.

(Book review) *China’s Growing Role in World Trade*, by Robert C. Feenstra and ShangJin Wei (The University of Chicago Press), in *Journal of International Economics* 83.1 (Jan 2011), pp. 92-94.

(Book review) *Free Trade Under Fire*, by Douglas A. Irwin (Princeton University Press), in *Journal of Economic Literature* 42.2 (Jun 2004), pp. 521-522.

(Book review) *Globalization and the Theory of Input Trade*, by Ronald W. Jones (The MIT Press), in *Journal of International Economics* 57.2 (Aug 2002), pp. 491-493.

(Book review) *Fragmentation: New Production Patterns in the World Economy*, by Sven W. Arndt and Henryk Kierzkowkis (Oxford University Press), in *Journal of Economic Geography* 2.3 (Jul 2002), pp. 368-369.

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

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

WORK IN PROGRESS

- “Estimating the Gains from Liberalizing Services Trade: The Case of Passenger Aviation” (with Anca Cristea and Brian Roberson).
- “Globalization and CEO Pay” (with Jaerim Choi and Jakob Munch).
- “Import Market Dynamism” (with Kan Yue).

AWARDS	<p>2013: Outstanding Innovation in Graduate Teaching (Purdue University)</p> <p>2012: Excellence in Executive MBA Teaching (Purdue University)</p> <p>2011-2013: Excellence in MBA Teaching (Purdue University)</p> <p>2007-2012: University Faculty Scholar (Purdue University)</p> <p>2004: Krannert Faculty Fellow (Purdue University)</p> <p>2005: Excellence in Undergraduate Teaching (Purdue University)</p>
GRANTS AND FELLOWSHIPS	<p>2017: Network Grant for “Globalization and CEO Pay”</p> <p>2014-2016: Danish Council for Independent Research Social Sciences (FSE) Grant “Globalizing Firms and Workers’ Health”</p> <p>2013-2018: Lilly Endowment, for “Transforming Indiana into a Magnet for High Technology Jobs”</p> <p>2010-2012: Danish Council for Independent Research Social Sciences (FSE) Grant, for “Product Quality Differentiation Among Danish Exporters”</p> <p>2010: GSCM Grant, for “Disorganization and Diversification in Global Supply Chains”</p> <p>2010: CIBER Grant, for “Information, Globalization and Services Trade in the Internet Age”</p> <p>2009-2012: National Science Foundation Grant “TLS Applied Visual Analytics for Economic Decision Making”</p> <p>2009: OECD Grant, for "Consequences for Fuel Use and CO2 Emissions of Trade Liberalization"</p> <p>2007-2008: EPRN Network Grand for “Danish Firms and the Source of Productivity Gains from International Integration”</p> <p>2007: GSCM Grant for “Valuing Timeliness in Global Supply Chains”</p> <p>2004: CIBER Grant for “Face Time: Information and International Commerce”</p> <p>2003-2006: National Science Foundation Grant for “Time as a Trade Barrier”</p> <p>2003-2004: World Bank Research Grant for “Geography, Trade and Growth”</p> <p>2000: CIBER grant for “Intra-national Home Bias”</p>
PEER REVIEWING	<p><i>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.</i></p>
RELATED EXPERIENCE	<p>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.</p>