

GORDON H. HANSON

Curriculum Vitae

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Education

Ph.D. Economics, Massachusetts Institute of Technology, 1992.
A.B. Economics, *summa cum laude*, Occidental College, 1986.

Academic Positions

University of California, San Diego.
Professor, School of International Relations and Pacific Studies, 2001 to present.
Professor, Department of Economics, 2003 to present.
Director, Center on Emerging and Pacific Economies, 2006 to present.
Director, Pacific Rim Summer Seminar in U.S. Studies, 2003 to 2006.
Co-Director, Center for U.S.-Mexican Studies, 2003-2004.
University of Michigan Ann Arbor
Associate Professor, Department of Economics, 1998-2001.
Associate Chair, Department of Economics, 1999-2001.
Associate Professor, School of Business Administration, 1998-2001.
University of Texas at Austin.
Assistant Professor, Department of Economics, 1992-1998.

Professional Activities

International Research Fellow, Kiel Institute for the World Economy, 2012 to present.
Co-Editor, *The Review of Economics and Statistics*, 2011 to present.
Member, Conference on Research in Income and Wealth, 2011 to present.
Member, Board of Directors, Washington Office on Latin America, 2009 to present.
Research Network Fellow, CESifo, 2009 to present.
Member, International Growth Centre, London School of Economics, 2009 to present.
External Fellow, CReAM, University College London, 2009 to present.
Member, Council on Foreign Relations, 2008 to present.
Senior Fellow, Bureau for Research and Economic Analysis of Development, 2007 to present.
Advisory Committee, Peterson Institute for International Economics, 2005 to present.
Research Fellow, IZA, 2005 to present.
Research Associate, National Bureau of Economic Research, 1999 to present.
Co-Editor, *Journal of Development Economics*, 2004 to 2009.
Director, NBER Working Group on Trade and Organizations, 2001-2007.
Faculty Research Fellow, National Bureau of Economic Research, 1993 to 1999.

Editorial Boards: *Journal of Economic Perspectives*, 2011 to present.
American Economic Journal: Applied Economics, 2008 to present.

The Effects of Trade and Immigration on Low-Skill Workers - Russell Sage Foundation, 2007-2009. (with Jeffrey Grogger)

International Trade in Information Services - National Science Foundation, 2006-2007. (with Chong Xiang)

Tennet Foundation V/T/Tiejg Zeng - The Pacific Rim, 2011-2007, Henry Luce Foundation.

The Mexico Data Web: A National Data Resource for the U.S. - DRI, 2007-2009. (with Jeffrey Grogger)

for Mexico and the United States - The Center for Global Development, 2007-2009. (with Jeffrey Grogger)

Foundation, 2002-2004. (with Jeffrey Grogger)

"Global Production and the U.S. Labor Market" - National Science Foundation, 2001-2003.

"The Exact Measurement of Productivity, Growth, and the Impact on U.S. Trade" - National Science Foundation, 1999-2001. (with Robert C. O'Leary)

University of Texas, 1995-2000. (with Jeffrey Grogger)

OBGUB - Office of the President - University of Texas, 2000-2001.

Journal Articles

C. J. S. - *Economic Journal*, forthcoming. (with Craig McIntosh)

The Effect of Immigration on the U.S. Labor Market - *Journal of the European Economic Association*, forthcoming. (with Jeffrey Grogger)

U.S. Trade Policy and the U.S. Labor Market - *Journal of International Economic*, forthcoming. (with Jeffrey Grogger)

U.S. Trade Policy and the U.S. Labor Market - *Journal of Economic Perspectives*, 26(2), 2012: 1-26. (with Jeffrey Grogger)

U.S. Trade Policy and the U.S. Labor Market - *Journal of Development Economics*, 95(1), 2011: 42-61. (with Jeffrey Grogger)

U.S. Trade Policy and the U.S. Labor Market - *Journal of International Economics*, 2010: 14-26. (with Chong Xiang)

Xiang, C. - *Journal of Economic Literature*, December 48(4), 2010: 987-1004. (with Jeffrey Grogger)

S. J. - *Journal of the American Statistical Association*, November 92(4), 2010: 798-810. (with Jeffrey Grogger)

U.S. Trade Policy and the U.S. Labor Market - *Journal of Human Development and Capabilities*, May 11(2), 2010: 165-180. (with Jeffrey Grogger)

J. N. - *Economica*, April 77(306), 2010: 25-40. (with Jeffrey Grogger)

"Does Border Enforcement Protect U.S. Workers from Illegal Immigration?" *The Review of Economics and Statistics* 84(2002): 73-92. (with Raymond Robertson and Antonio Spilimbergo) Reprinted in Andrew P. Morrison and Samuel Estreicher, eds., *Cross-Border Human Resources, Labor and Employment Issues*, Amsterdam: Kluwer, 2005, pp. 47 -94.

"U.S.-Mexico Integration and Regional Economic Evidence from Border City Pairs," *Journal of Urban Economics* 50(2001): 259-287.

"Political Economy, Sectoral Shock, and Border Enforcement," *Canadian Journal of Economics* 34(2001): 612-638. (with Antonio Spilimbergo) Reprinted in Andrew P. Morrison and Samuel Estreicher, eds., *Cross-Border Human Resources, Labor and Employment Issues*, Amsterdam: Kluwer, 2005, 885-886.

"Scale Economies and the Geographic Concentration of Industry," *Journal of Economic Geography*, 1(2001): 255-276.

"Aggregation Bias in the Factor Content of Trade: Evidence from U.S. Manufacturing," *American Economic Review Papers and Proceedings* 90(2000): 150-160. (with Robert Feenstra)

"Illegal Immigration, Border Enforcement and Relative Wages: Evidence from Apprehension at the U.S.-Mexico Border," *American Economic Review*, December 89(1999): 1337-57. (with Antonio Spilimbergo)

"The Impact of Outsourcing and High -Technology Capital on Wages: Estimates for the United States, 1979-1990," *Quarterly Journal of Economics* 114(1999): 907-940. (with Robert Feenstra)

"Who Gains from Trade Reform? Some Remaining Puzzles." *Journal of Development Economics* 51(1999): 315-324. (with Ann Harrison)

"Trade, Technology, and Wage Inequality in Mexico," *Industrial and Labor Relations Review* 52(1999): 271-288. (with Ann Harrison)

"Regional Adjustment to Trade Liberalization," *Regional Science and Urban Economics* 28(1998): 419-444.

"North American Economic Integration and Industry Location," *Oxford Review of Economic Policy*, 14(1998): 30-44.

"Increasing Returns, Trade, and the Regional Structure of Wages," *Economic Journal*, 107(1997): 113-133. Reprinted in J. Vernon Henderson, ed., *Economic Geography*, Cheltenham, UK: Edward Elgar, 2005, pp. 331 -351.

"Spillovers, Foreign Investment, and Export Behavior," *Journal of International Economics* 43(1997): 103-132. (with Brian Aitken and Ann Harrison)

"Foreign Direct Investment and Relative Wages: Evidence from Mexico's Maquiladoras," *Journal of International Economics* 42(1997): 371-394. (with Robert C. Feenstra) Reprinted in L. Alan Winters, ed., *The WTO and Poverty and Inequality*, Cheltenham, UK: Edward Elgar, 2007.

"Localization Economies, Vertical Organization, and Trade," *American Economic Review*, December 86(1996): 1266-1278.

"Globalization, Outsourcing, and Wage Inequality," *American Economic Review Papers and Proceedings*, 86(1996): 240-245. (with Robert Feenstra)

"Agglomeration, Dispersion, and the Pioneer Firm," *Journal of Urban Economics* 39(1996): 255-281. Reprinted in Bernard Yeung and Joanne Oxley, eds., *Structural Change, Industrial Location, and Competitiveness*, Cheltenham, UK: Edward Elgar, 1997.

"Economic Integration, Intraindustry Trade, and Frontier Regions," *European Economic Review*, 40(1996): 941-950.

"Incomplete Contracts, Risk and Ownership," *International Economic Review* 36(1995): 341-63.

"Antitrust in Post Privatization Latin America: An Analysis of the Mexican Airline Industry," *Quarterly Review of Economics and Finance* 34 (1994): 199-216.

"LDC Debt Will Restructure U.S. Banking," *Challenge* 32(1989): 44-49. (with Richard Feinberg)

Books

Regulating Low-Skilled Immigration in the United States, Washington, DC: American Enterprise Institute, 2010.

Skilled Immigration Today: Problems, Prospects, and Policies Oxford: Oxford University Press, 2009. (co-edited with Jagdish Bhagwati)

Why Does Immigration Divide America? Public Finance and Political Opposition to Open Borders Washington, DC: Institute for International Economics, 2005.

Immigration Policy and the Welfare System, Oxford: Oxford University Press, 2002. (with Tito Boeri and Barry McCormick)

Book Chapters

J. N. J. B. ... d j j - l o e D ... f j j f o f ... j o B n f j d b o J o e ... - j o L f j o I b f - f e / - *Rethinking Competitiveness* Washington, DC: American Enterprise Institute, forthcoming.

D. b o h j o ... h ... o H ... b n ... f - j o N ... b I b e b e ... o e C f o T i f b e - f e / - *Managing Globalization* ... n, D ... T ... w o r l d B a n k 2 0 1 1, 99-101.

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Jo f oblonNjh b... boe Ef f... fo - jo Sb jLboe boe B/Njdi bfnT fodf-fe /-Equity in a Global World, Washington, DC: The World Bank 2010, 229-242.

Jo f oblonNjh b... the Developing World jo EbojS...jl boe NblS...fo fjh-fe /-Handbook of Development Economics Vol. 5, Amsterdam, North Holland, 2010, 439-4414.

Di job b... Nbo... joh F... Pif Ef f... oh D...jf - jo S...ffo b boe Shang Jin... eds., *China's Growing Role in World Trade*, Chicago: University of Chicago Press and the NBER, 2010, 147-159. (with Kenneth Robertson)

Bek n fo... Jo f oblonNjh b... Guido Porto and Bernard M. Hoekman, eds., *Trade Adjustment Costs in Developing Countries: Impacts, Determinants, and Policy Responses*, Washington, DC: Center for Economic Policy Research and the World Bank 2010, 127-143.

Bek n fo... Ef f... oh D...jf - in Guido Porto and Bernard M. Hoekman, eds., *Trade Adjustment Costs in Developing Countries: Impacts, Determinants, and Policy Responses*, Washington, DC: Center for Economic Policy Research and the World Bank 2010, 143-154.

Individual Performance of High Income Countries jo if Vojfe Tbf - jo Kheji Ci bh bj and Gordon Hanson, *Global Immigration Today: Problems, Prospects, and Policies*, Oxford University Press 2009, 207-246. (with Kenneth Scheie and Matthew Slaughter)

Jo f oblonU be f jo N...jd f Tf jdf - in Matthew Slaughter and Marshall Reinsdorf, eds., *International Flows of Invisibles: Trade in Services and Intangibles in the Era of Globalization*, Chicago: University of Chicago Press and the NBER, 2009, 203-225. (with Chong Xiang)

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Fn jh b... M... T... jo Nf j... in George Borjas, *Mexican Immigration*, Chicago: University of Chicago Press and the NBER, 2007, 289-326.

"Globalization, Labor Income, and Poverty in Mexico," in Ann Harrison, *Globalization and Poverty*, University of Chicago Press and the NBER, 2007, 437-456.

"Challenges for U.S. Immigration Policy," in C. Fred Bergsten, ed., *The United States and the World Economy: Foreign Economic Policy for the Next Decade*, Washington: Institute for International Economics, 2005, 343-372.

Xib Ib Ib fofe... K bhf jo Nf j... jdf OBGUB@ Implications for Hemispheric Free Trade, in Anoní Esteve Gerdal, Dani Rodrik, Alan Taylor, and Andres Velasco, eds., *Integrating the Americas: FTAA and beyond*, Harvard University Press 2004, pp. 505-538.

Ulf S. Sjöström, "Jobs and Unemployment in a World of Globalization," in David U. Foray, ed., *Lines of Strategic Opportunity* (Cambridge, MA: MIT Press, 2004), pp. 1-12. (with Matthew S. Slaughter)

Harold A. Miller, "The Role of the Firm in the Global Economy," in Robert C. Feenstra and Robert E. Anderson, eds., *Handbook of International Trade* (Amsterdam: North-Holland, 2003), pp. 146-185. (with Robert E. Anderson)

Michael A. S. Sjöström, "The Effects of Off-Shore Assembly on Industry Location: Evidence from U.S. Border Cities," in Robert C. Feenstra, ed., *Effects of U.S. Trade Protection and Promotion Policies* (University of Chicago Press and the NBER, 1997), pp. 297-322. (with Robert C. Feenstra and Deborah Swenson)

"Exporting Strategies of Multinational Firms," in Robert C. Feenstra and Robert E. Anderson, eds., *Handbook of International Trade* (Amsterdam: North-Holland, 2003), pp. 245-282. (with Matthew S. Slaughter and Raymond J. Ratto)

Timothy J. Sjöström, "The Effects of Off-Shore Assembly on Industry Location: Evidence from U.S. Border Cities," in Robert C. Feenstra, ed., *Effects of U.S. Trade Protection and Promotion Policies* (University of Chicago Press and the NBER, 1997), pp. 297-322. (with Robert C. Feenstra and Deborah Swenson)

Gjergji Xhafa, "The Role of the Firm in the Global Economy," in Robert C. Feenstra and Robert E. Anderson, eds., *Handbook of International Trade* (Amsterdam: North-Holland, 2003), pp. 146-185. (with Robert E. Anderson)

"Offshore Assembly from the United States: Production and Location of the 9802," in Robert C. Feenstra, ed., *Effects of U.S. Trade Protection and Promotion Policies* (University of Chicago Press and the NBER, 1997), pp. 297-322. (with Robert C. Feenstra and Deborah Swenson)

"Mexican Migration and U.S. Policy Options," in Peter Hahn and Nora Lustig, eds., *Migration in U.S.-Mexican Relations* (Brookings Institution, 1998), pp. 1626. (with Antonio Spilimbergo)

"The Effects of Off-Shore Assembly on Industry Location: Evidence from U.S. Border Cities," in Robert C. Feenstra, ed., *Effects of U.S. Trade Protection and Promotion Policies* (University of Chicago Press and the NBER, 1997), pp. 297-322.

"Foreign Investment, Outsourcing and Relative Wages," in Robert C. Feenstra, Gene M. Grossman, and Douglas A. Irwin, eds., *Political Economy of Trade Policy: Essays in Honor of Jagdish Bhagwati*, MIT Press, 1996, pp. 89-127. (with Robert Feenstra)

"Industrial Organization and Mexico-U.S. Free Trade," in Edna Bonacich, Lucie Chan, Norma Chinchilla, Nora Hamilton, and Paul Ong, eds., *Global Production: The Apparel Industry in the Pacific Rim*, Temple University Press, 1994, pp. 230-246.

"Mexico-U.S. Free Trade and the Location of Production," in Peter M. Garber, ed., *The Mexico-U.S. Free Trade Agreement*, MIT Press, 1993, pp. 163-186. (with Paul Krugman)

"Localización Industrial, Especialización Vertical y Libre Comercio," in Jorge Carrillo, Fernando Cortés, Orlandina de Oliveira, and Lúgar Pries, eds., *Ajuste Estructural, Mercados Laborales y*

Other Publications

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Journal of Economic Literature 49(2011): 48-49.

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<http://www.vanderbilt.edu/VEA/econwh/papers/>

American Enterprise Institute / The *American Enterprise Institute* of the *American Enterprise Institute* / <http://blog.american.com/?p=20515>

Export-Led Growth, *Economic Policy*, Num. 3, March 2010. (with Otaviano Canuto and Moritz Hadad) http://irps.icsd.edu/assets/037_1378.pdf

Institute report, December 9, report http://www.migrationpolicy.org/pubs/Hanson_-_Dec09.pdf
podcast: <http://migrationpolicy.podbean.com/2009/12/02/the-economics-and-policy-of-legal-immigration-in-the-united-states/>

Slump for Robots: The Competition for Low-Wage Jobs - *New York Times*, March 18, 2009.
<http://roomfordebate.blogs.nytimes.com/2009/03/18/the-robot-competition-for-low-wage-jobs/#hanson>

United States Commission on Civil Rights, 200

"Down the Worker Bullet", *Wall Street Journal*, 2007

"Free Market, Free People" on *Wall Street Journal*, April 2000

"The Economic Logic of Ideal Immigration." Council Special Report No. 26, Council on Foreign Relations, April 2007.

Globalization and the World System. *Journal of Economic Literature* 43(2005): 815-818.

N. m. b. m. b. Mol. b. h. f. n. f. o. m. i. a, 4 (2004): 157-159.

L. Martin, *James Callaghan and the Limits of Power: Controlling Immigration*, 2nd Edition, Stanford University Press, 2006, p. 16.

Tf b di j o h , . . . p j f i b e r j g n t i n f i s J o U i f i C I / N . . . b e N /
Graham, and . . . strom, eds., . . . g n t i n v e s t m e n t P r o . . . d e v e l o p m e n t ?
Washington, . . . Institute for Inter n . . . n a t i o n a l O u t r e a c h , 2005.

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Business School, Case 19-753-119,
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12. *Journal of the American Statistical Association*, 1993-1994, 88(422), 1117-1124.

3. (with Helen S. ...)

and the fact that the number of nodes in the network is large. In this paper, we propose a novel algorithm for finding the shortest path in a network. The algorithm is based on the idea of using a priority queue to store the nodes that are currently being explored. The priority queue is initialized with the source node. The algorithm then repeatedly extracts the node with the lowest priority from the queue and explores its neighbors. The priority of a node is defined as the distance from the source node to that node. The algorithm terminates when the destination node is reached. The shortest path is then reconstructed by backtracking from the destination node to the source node.

1. $N = 3123$
 2. $D = f(j)$
 3. $E = 1$
 4. $f = 11$
 5. $1111/$

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