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VITA

John C. Haltiwanger

Office Address and Phone: Department of Economics  
University of Maryland  
College Park, MD 20742  
(301) 405-3504

*Education*

Brown University, Sc.B. (Applied Mathematics-Economics), 1977

The Johns Hopkins University, Ph.D. (Economics), 1981

*Honors and Awards*

Sc.B. with honors, magna cum laude

"Class of 1873 Award," awarded by Department of Economics, Brown University, for best undergraduate paper in economics, 1977.

"C. Richard Martin Award," awarded by the Department of Political Economy, The Johns Hopkins University, 1979.

National Council on Employment Policy Dissertation Fellowship, 1980-81.

National Science Foundation Grants: 1983-84; 1986-87; 1988-1991; 1991-1993; 1993-1996; 1996-1998; 1998-2001; 1999-2004; 2004-2007; 2006-2009.

National Institute of Aging Grant: 2001-2004.

National Institute of Health Grant: 2007-2012

Sloan Foundation Grant: 2000-2002; 2002-2005.

Tinker Foundation Grant: 2004-2005

Kaufmann Foundation Grant: 2004-2007; 2007-2010.

IPA, U.S. Bureau of the Census, 2003-2007, 2008-2010.

Warren C. Scoville Distinguished Teaching Award, awarded by the Department of Economics, UCLA, Spring 1986.

University of Maryland, Department of Economics Teaching Award, Fall 1988; Spring 1993; Fall 1996; Spring 2001; Spring 2003; Spring 2004; Spring 2006; Fall 2006.

University of Maryland Rainmaker Award: 2004, 2005, 2006, 2007 and 2008

University of Maryland, BSOS Excellence in Teaching (Graduate Mentor) Award, Spring 2005.

University of Maryland, Distinguished Scholar Teacher Award, 2008-09.

University of Maryland, GRB Academic Year Research Award: 1989-90.

ASA/NSF/Census Fellowship, 1993-94.

#### *Work Experience and Professional Affiliations*

Professor of Economics, University of Maryland, 1990-present.

Research Associate, Center for Economic Studies, Bureau of the Census, 1988-present.

Research Associate, IZA, 2001-present.

Senior Research Fellow, LEHD program, Bureau of the Census, 1999-present.

Member, Committee on National Statistics (CNSTAT), National Academy of Sciences, 2003-present

Member, Federal Economics Statistics Advisory Committee (FESAC), 2000-present

Research Associate, National Bureau of Economic Research, 1996-present.

Consultant, The Conference Board, 2006-present.

Chief Economist, Bureau of the Census, 1997-1999.

Member, Brookings Panel on Economics Activity, 1995-96.

Visiting Professor, Universite of Paris I, June 1993.

Associate Professor of Economics, University of Maryland, 1987-90.

Associate Professor of Economics, The Johns Hopkins University, 1986-87.

Assistant Professor of Economics, University of California, Los Angeles, 1981-86.

### *Publications*

*Articles in Books and Journals (in reverse chronological order):*

"Business Volatility, Job Destruction and Unemployment" (co-authored with Steven Davis, Jason Faberman, Ron Jarmin and Javier Miranda), American Economic Journal: Macroeconomics, (forthcoming).

"Factor Adjustment After Deregulation: Panel Evidence from Colombia Plants," (co-authored with Marcela Eslava, Adriana Kugler, and Maurice Kugler), Review of Economics and Statistics, (forthcoming).

"Mom-and-Pop Meet Big-Box: Complements or Substitutes?" (co-authored with Ron Jarmin and C. J. Krizan), Journal of Urban Economics, (forthcoming).

"Reaching for the Stars: Who Pays for Talent in Innovative Industries?" (co-authored with Fredrik Andersson, Matthew Freedman, Julia Lane and Kathy Shaw), in Economic Journal, June 2009.

"Measuring the Dynamics of Young and Small Businesses: Integrating the Employer and Non-Employer Businesses," (co-authored with Steven Davis, C.J. Krizan, Ron Jarmin, Javier Miranda, Al Nucci, and Kristin Sandusky), in *Producer Dynamics: New Evidence from Micro Data*, (Dunne, Jensen and Roberts, eds.) NBER/University of Chicago Press, 2009.

"Measuring and Analyzing Cross Country Differences in Firm Dynamics," (co-authored with Eric Bartelsman and Stefano Scarpetta), in *Producer Dynamics: New Evidence from Micro Data*, (Dunne, Jensen and Roberts, eds.) NBER/University of Chicago Press, 2009.

"Entrepreneurship and Job Growth," in *Entrepreneurship, Growth and Public Policy* (Acs, Audretsch and Strom, eds.) Cambridge University Press, 2009.

"Reallocation, Firm Turnover and Efficiency: Selection on Productivity or Profitability," (co-authored with Lucia Foster and Chad Syverson), American Economic Review, March 2008.

"Hours and Employment Implications of Search Frictions: Matching Aggregate and Establishment-Level Implications," (co-authored with Russell Cooper and Jonathan Willis), Journal of Monetary Economics, September 2007.

- “Using Worker Flows to Measure Firm Dynamics,” (co-authored with Gary Benedetto, Julia Lane and Kevin McKinney), Journal of Business and Economic Statistics, July 2007.
- “Wages, Productivity, and the Dynamic Interaction of Businesses and Workers,” (co-authored with Julia Lane and James Spletzer), Labour Economics, June 2007.
- "Market Selection, Reallocation, and Restructuring in the U.S. Retail Trade Sector in the 1990s," (co-authored with Lucia Foster and C.J. Krizan), Review of Economics and Statistics, November 2006.
- “Volatility and Dispersion in Business Growth Rates: Publicly Traded and Privately Held Firms,” (co-authored with Steven Davis, Ron Jarmin and Javier Miranda), NBER Macroeconomics Annual 2006.
- “Micro and Macro Data Integration: The Case of Capital,” (co-authored with Randy Becker, Ron Jarmin, Shawn Klimek and Daniel Wilson), in A New Architecture for the National Accounts (eds. Dale Jorgensen, Steven Landefeld, William Nordhaus), University of Chicago Press, 2006.
- “On the Nature of Capital Adjustment Costs,” (co-authored with Russell Cooper), Review of Economic Studies, July 2006.
- "The Flow Approach to Labor Markets, Micro-Macro Links, and the Recent Downturn," (co-authored with Steven J. Davis and R. Jason Faberman), Journal of Economic Perspectives, Summer 2006.
- "Plant Turnover and Structural Reforms in Colombia," (co-authored with Marcela Eslava, Adriana Kugler and Maurice Kugler), International Monetary Fund Staff Papers, 2006.
- “The Relationship Between Human Capital, Productivity and Market Value: Building Up From Microeconomic Evidence” (co-authored with John Abowd, Ron Jarmin, Julia Lane, Paul Lengermann, Kristin McCue, Kevin McKinney, and Kristin Sandusky), in Measuring Capital in the New Economy (eds. Carol Corrado, John Haltiwanger and Daniel Sichel), University of Chicago Press, 2005.
- “The Effect of Structural Reforms on Productivity and Profitability Enhancing Reallocation: Evidence from Colombia,” (co-authored with Marcela Eslava, Adriana Kugler and Maurice Kugler), Journal of Development Economics, December 2004.
- "The Impact of Trade Reforms on Labour Market Dynamics and Productivity in Latin America: An Introduction" (co-authored with Adriana Kugler, Maurice Kugler, Alejandro Micco and Carmen Pages), Journal of Policy Reform, December 2004.

- "Effects of Tariffs and Real Exchange Rates on Job Reallocation: Evidence from Latin America" (co-authored with Adriana Kugler, Maurice Kugler, Alejandro Micco and Carmen Pages), Journal of Policy Reform, December 2004.
- "The Spread of ICT and Productivity Growth: Is Europe Really Lagging Behind in the New Economy," (co-authored with Eric Bartelsman, Andrea Bassannini, Ron Jarmin, Stefano Scarpetta, and Thorsten Schank), in The ICT Revolution, Oxford University Press (2004).
- "Integrated Longitudinal Employer-Employee Data for the United States," (co-authored with John Abowd and Julia Lane), American Economic Review, May 2004.
- "Wages and Productivity Dispersion in U.S. Manufacturing: The Role of Computer Investment," (co-authored with Tim Dunne, Lucia Foster and Ken Troske), Journal of Labor Economics, April 2004.
- "Understanding Aggregate Growth: The Need for Microeconomic Evidence," New Zealand Economics Papers, 2003.
- "A Statistical Portrait of the New Economy," (co-authored with Ron Jarmin) in the New Economy Handbook, Elsevier Academic Press, 2003
- "Worker Flows, Job Flows and Firm Wage Policies: An Analysis of Slovenia," (co-authored Milan Vodopivec), Economics of Transition, Vol. 11, 2003.
- "A Symposium on Job Creation and Destruction in Transition Economies: An Introduction," (co-authored with Hartmut Lehmann and Katherine Terrell), Economics of Transition, Vol. 11, 2003.
- "Gross Worker and Jobs Flows in a Transition Economy: An Analysis of Estonia." (co-authored with Milan Vodopivec), Labour Economics, 2002.
- "Wages, Productivity, and Technology: What Have We Learned from Microeconomic Evidence," in Technology and the Labor Market, Kluwer Academic Press, 2002.
- "Sectoral Job Creation and Destruction Responses to Oil Price Changes and Other Shocks." (co-authored with Steve Davis), Journal of Monetary Economics, December 2001.
- "Labor Productivity: Structural Change and Cyclical Dynamics," (co-authored with Martin Baily and Eric Bartelsman), Review of Economics and Statistics, August 2001.
- "Aggregate Productivity Growth: Lessons from Microeconomic Evidence," (co-authored with Lucia Foster and C.J. Krizan), New Directions in Productivity Analysis (eds. Edward Dean, Michael Harper and Charles Hulten), University of Chicago Press, 2001.

- "Measuring the Digital Economy," (co-authored with Ron Jarmin), in Understanding the Digital Economy, (edited by Erik Brynjolfsson and Brian Kahin), MIT Press, 2000.
- "Driving Forces and Employment Fluctuations" (co-authored with Steven Davis), American Economic Review, December 1999, 1234-1258.
- "Machine Replacement and the Business Cycle: Lumps and Bumps," (co-authored with Russell Cooper and Laura Power), American Economic Review, September 1999, 921-46.
- "Gross Job Flows," (co-authored with Steven Davis), Handbook of Labor Economics, Volumes 3 and 4, edited by Orley Ashenfelter and David Card, 1999, 2711-2805.
- "Measuring Gross Worker and Job Flows," (co-authored with Steven Davis), in Labor Statistics Measurement Issues, edited by John Haltiwanger, Marilyn Manser and Robert Topel, (Chicago: University of Chicago Press), 1999, 77-122.
- "Small Business and Job Creation in the United States: The Role of New and Young Businesses." (co-authored with C.J. Krizan), Are Small Firms Important?: Their Role and Impact, edited by Zoltan Acs, Kluwer Academic Publishing Company, 1999.
- "Productivity Differences Across Employers: The Role of Employer Size, Age, and Human Capital," (co-authored with Julia Lane and James Spletzer), American Economic Review, May 1999, 94-98.
- "Gross Job Flows between Plants and Industries," (co-authored with Scott Schuh), Federal Reserve Bank of Boston New England Economic Review, March-April 1999, 41-64.
- "Cross-Country Evidence on Public Sector Retrenchment." (co-authored with Manisha Singh), World Bank Economic Review, January 1999, 23-66.
- "Job Creation and Destruction by Employer Size and Age: Cyclical Dynamics." in Entrepreneurship, SMEs, and the Macroeconomy, Cambridge University Press, 1998.
- "Aggregate Productivity and Job Growth: Lessons from the Firm," in The Rising Tide: Higher Growth for the 21st Century, John Wiley and Sons, 1998.
- "A Comparison of Job Creation and Destruction in the Manufacturing Sectors of Canada and the United States," (co-authored with John Baldwin and Tim Dunne), Review of Economics and Statistics, August 1998, 347-356.

- "Technology and Jobs: Secular Changes and Cyclical Dynamics," (co-authored with Timothy Dunne and Kenneth Troske), Carnegie-Rochester Series on Public Policy, 1997,107-178.
- "Measuring and Analyzing Aggregate Fluctuations: The Importance of Building from Microeconomic Evidence," Federal Reserve Bank of St. Louis Review, May/June 1997, 55-78.
- "Aggregate Employment Dynamics: Building From Microeconomic Evidence," (co-authored with Ricardo Caballero and Eduardo Engel) American Economic Review, March 1997, 115-137.
- "Employer Size and the Wage Structure in U.S. Manufacturing," (co-authored with Steven Davis), Annales D'Economie et de Statistique, January/June 1996, 323-368.
- "Evidence on Macroeconomic Complementarities," (co-authored with Russell Cooper), Review of Economics and Statistics, February 1996, 78-93.
- "Real Wages and the Business Cycle," (co-authored with Katharine Abraham), Journal of Economic Literature, September 1995, 1215-1264.
- "Plant-Level Adjustment and Aggregate Investment Dynamics," (co-authored with Ricardo Caballero and Eduardo Engel), Brookings Papers on Economic Activity, 1995:2, 1-54.
- "Inventories and Multi-Period Labor Contracts: Implications for Business Cycle Analysis," (co-authored with Louis Maccini) in Inventory Cycle and Monetary Policy, (New York: Springer-Verlag, 1994).
- "Job Change in the Manufacturing Sectors of Canada and the United States," (co-authored with John Baldwin and Timothy Dunne) in The Dynamics of Industrial Competition, (Cambridge: Cambridge University Press, 1994).
- "Small Business and Job Creation: Dissecting the Myth and Reassessing the Facts," (co-authored with Steven Davis and Scott Schuh) in Labor Markets, Employment Policy, and Job Creation, (Boulder: Westview Press, 1994); reprinted in Small Business Economics (1996); abbreviated version reprinted in Business Economics, July 1994, 13-22.
- "Downsizing and Productivity Growth: Myth or Reality," (co-authored with Martin Baily and Eric Bartelsman) Small Business Economics, 1994; reprinted in Sources of Productivity Growth in the 1980s, (Cambridge: Cambridge University Press, 1996).

- "The Role of Altruism in Economic Interaction," (co-authored with Michael Waldman), Journal of Economic Behavior and Organization, 1993, 1-15.
- "The Aggregate Implications of Machine Replacement: Theory and Evidence," (co-authored with Russell Cooper), American Economic Review, 1993, 360-382.
- "Autos and the National Industrial Recovery Act: Evidence on Macroeconomic Complementarities," (co-authored with Russell Cooper), Quarterly Journal of Economics, 1993, 1043-1071.
- "Gross Job Creation, Gross Job Destruction, and Employment Reallocation" (co-authored with Steven Davis), Quarterly Journal of Economics, 1992, 819-864.
- "Macroeconomic Implications of Production Bunching: Factor Demand Linkages" (co-authored with Russell Cooper), Journal of Monetary Economics, 1992, 107-128.
- "Responders Versus Nonresponders: A New Perspective on Heterogeneity" (co-authored with Michael Waldman), Economic Journal, September 1991, 1085-1102.
- "Wage Dispersion Between and Within U.S. Manufacturing Plants, 1963-1986" (co-authored with Steven Davis), Microeconomic Brookings Papers on Economic Activity, 1991, 115-200.
- "Gross Job Creation and Destruction: Microeconomic Evidence and Macroeconomic Implications" (co-authored with Steven Davis), NBER Macroeconomics Annual 1990, 123-168.
- "The Impact of Cyclical Demand Movements on Collusive Behavior" (co-authored with Joseph Harrington), Rand Journal of Economics, Spring 1991, 89-106.
- "Inventories and the Propagation of Sectoral Shocks" (co-authored with Russell Cooper), American Economic Review, March 1990, 170-190.
- "Published Versus Sample Statistics from the ASM: Implications for the LRD," (co-authored with Steven Davis and Scott Schuh), Proceedings from the 1990 Business and Economics Section of the American Statistical Meetings.
- "Inventories, Orders, Temporary and Permanent Layoffs: An Econometric Analysis," (co-authored with Louis Maccini), Carnegie-Rochester Conference Series on Public Policy, Spring 1989, 301-366.
- "Limited Rationality and Strategic Complements: The Implications for Macroeconomics," (co-authored with Michael Waldman), Quarterly Journal of Economics, August 1989, 463-483.

- "Rational Expectations in the Aggregate," (co-authored with Michael Waldman), Economic Inquiry, October 1989, 619-636.
- "A Model of Inventory and Layoff Behavior Under Uncertainty," (co-authored with Louis Maccini), Economic Journal, September 1988, 731-745.
- "The Time Series Properties of Aggregate Orders, Inventories and Labor Inputs" (co-authored with Louis Maccini) in The Economics of Inventory Management, (Amsterdam, Netherlands: Elsevier Science Publishers B.V., 1988).
- "Limited Countercyclical Policies: An Exploratory Study," (co-authored with Sean Beckett), Journal of Public Economics, December 1987, 311-328.
- "Alternative Measures of Slackness in the Labor Market and Their Relationship to Wage and Price Inflation," (co-authored with Mark Plant) in Unemployment and the Structure of Labor Markets, (Oxford, England: Basil Blackwell Ltd., 1987).
- "Layoffs" in the New Palgrave, (Cambridge, England: MacMillan Press Ltd., 1987); updated version forthcoming in the forthcoming updated version of the New Palgrave.
- "The Natural Rate of Unemployment" in the New Palgrave, (Cambridge, England: MacMillan Press Ltd., 1987).
- "Insurance and Labor Market Contracting: An Analysis of the Capital Market Assumption," (co-authored with Michael Waldman), Journal of Labor Economics, July 1986, 355-375.
- "Tax Reform and Strong Substitutes," (co-authored with Tatsuo Hatta), International Economic Review, June 1986, 303-315.
- "Unemployment Rate Dynamics and Persistent Unemployment Under Rational Expectations," (co-authored with Michael Darby and Mark Plant), American Economic Review, September 1985, 614-637.
- "Rational Expectations and the Limits of Rationality: An Analysis of Heterogeneity," (co-authored with Michael Waldman), American Economic Review, June 1985, 326-340.
- "The Distinguishing Characteristics of Temporary and Permanent Layoffs," Journal of Labor Economics, October 1984, 523-538.
- "Asymmetric Information, Multiperiod Labor Contracts, and Inefficient Job Separations," Southern Economic Journal, April 1984, 1005-1024.

"Temporary Layoffs, Contractual Labor Market Equilibrium, and the Relationship Between Wages and Unemployment," in Current Research in Labor Economics, (Los Angeles: IIR Press), 1984, 21-46.

"On the Relationship Between Risk Aversion and the Development of Long Term Worker-Firm Attachments," Southern Economic Journal, October 1983, 572-577.

"A Decomposition of the Harberger Expression for Tax Incidence," (co-authored with Tatsuo Hatta), Journal of Public Economics, December 1982, 353-366.

*Books:*

Understanding Business Dynamics: An Integrated Data System for America's Future (co-edited with Lisa Lynch and Chris Mackie), (Washington, D.C.: National Academies Press) 2007.

Economic Turbulence: Is A Volatile Economy Good For America?, (co-authored with Clair Brown and Julia Lane), (Chicago: University of Chicago Press) 2006.

Measuring Capital in the New Economy, (co-edited with Carol Corrado and Daniel Sichel), (Chicago: University of Chicago Press), 2005.

The Creation of Employer-Employee Matched Data, (co-edited with Julia Lane, James Spletzer, Jules Theeves, and Kenneth Troske), (Amsterdam: North-Holland) 1999.

Labor Statistics Measurement Issues, (co-edited with Marilyn Manser and Robert Topel), (Chicago: University of Chicago Press), 1999.

Job Creation and Destruction, (co-authored with Steven Davis and Scott Schuh) (Cambridge: MIT Press, 1996); named one of the Outstanding Academic Books of 1996 by *Choice* (January 1997).

*Other Publications:*

"Comments" in NBER International Seminar in Macroeconomics 2009.

"High Growth and Failure of Young Firms" (co-authored with Ron Jarmin and Javier Miranda) Statistical Brief by the Kauffman Foundation, March 2009.

"Entrepreneurship Across States" (co-authored with Ron Jarmin and Javier Miranda) Statistical Brief by the Kauffman Foundation., February 2009.

- “The Business Dynamic Statistics: An Overview” (co-authored with Ron Jarmin and Javier Miranda) Statistical Brief by the Kauffman Foundation, January 2009.
- “Jobs Created by Business Startups in the U.S.” (co-authored with Ron Jarmin and Javier Miranda) Statistical Brief by the Kauffman Foundation, January 2009.
- “Turmoil and Growth: Young Businesses, Economic Churning and Productivity Growth” (co-authored with Steven Davis and Ron Jarmin) Statistical Brief by the Kauffman Foundation, June 2008.
- “Report: International Symposium on Linked Employer-Employee Data -- Creating Employer and Employee Datasets” Monthly Labor Review, July 1998.
- “Bringing Household and Business Data Together at the Micro Level” Proceedings of the 1998 Joint IASS/IAOS Conference.
- “Comments” in Brookings Papers on Economic Activity, Microeconomics 1997
- “Comments” in Brookings Papers on Economic Activity, 1995:1.
- Review of Unemployment and Macroeconomics by Assar Lindbeck in Journal of Economic Literature, December 1994.
- "Comments", in Labor Markets, Employment Policy, and Job Creation, (Boulder: Westview Press, 1994).
- "Comments" , Brookings Papers on Economic Activity, Microeconomics 1992.
- "The Jobs Myth," in Forecast, January/February 1994, 40-41.
- "Comments" , Brookings Papers on Economic Activity, Microeconomics 1992.
- Review of Inflation: Causes and Effects, ed. by Robert E. Hall, Journal of Money, Credit and Banking, August 1984.
- "The Ins and Outs of Macroeconomic Forecasting: A Tutorial for Students", Proceedings of the 1986 University AEP Conference.
- "Comment on Price Elasticity of Demand for Water: A Case Study of Tucson, Arizona,"(co-authored with David Colander), Water Resources Research, October 1979, 1275-1277.

"The Voluntary Pay and Price Standards Have Had No Discernable Effect on Inflation,"  
U.S. General Accounting Office Report to the Congress of the United States,  
Report No. PAD-81-02, December 10, 1980 (co-authored with staff of Program  
Analysis Division).

*Work in Progress (Working Papers):*

"Cross Country Differences in Productivity: The Role of Allocative Efficiency" (co-authored  
with Eric Bartelsman and Stefano Scarpetta), Working Paper, Revised August 2009.

"Who Creates Jobs? Small vs. Large vs. Young" (co-authored with Ron Jarmin and Javier  
Miranda), Working Paper, July 2009.

"The Slow Growth of New Plants: Learning About Demand" (co-authored with Lucia Foster and  
Chad Syverson), Working Paper, May 2009.

"Establishment-Level Vacancies and Hiring" (co-authored with Steven Davis and Jason  
Faberman), Working paper, revised April 2009.

"Private Equity and Employment" (co-authored with Steven Davis, Josh Lerner, Ron Jarmin and  
Javier Miranda), mimeo, March 2009.

"Exploring Differences in Employment Between Household and Establishment Data" (co-  
authored with Katharine Abraham, Kristin Sandusky, and James Spletzer), mimeo, March  
2009.

"Private Equity, Jobs and Productivity" (co-authored with Steven Davis, Josh Lerner, Ron Jarmin  
and Javier Miranda), mimeo, December 2008.

"Euler Equation Estimation for Discrete Choice Models: A Capital Accumulation Application"  
(co-authored with Russell Cooper and Jonathan Willis), Working Paper, July 2008.

"Adjusted Estimates of Worker Flows and Job Openings in JOLTS" (co-authored with Steven  
Davis, Jason Faberman, and Ian Rucker), NBER Working Paper No. 14137, June 2008.

"Assessing Job Flows Across Countries: The Role of Industry, Firm Size, and Regulations" (co-  
authored with Stefano Scarpetta and Helena Schweiger), NBER Working Paper No.  
13867, April 2008.

"Employer-to-Employer Flows in the United States: Estimates Using Linked Employer-Employee  
Data" (co-authored with Melissa Bjelland, Bruce Fallick and Erika McEntarfer), NBER  
Working Paper No. 13867, March 2008.

- “Electricity Pricing to U.S. Manufacturing Plants: 1963-2000” (co-authored with Steven Davis, Cheryl Grim and Mary Streitwieser), NBER Working Paper No. 13778, February 2008.
- "Productivity Dispersion and Input Prices: The Case of Electricity," (co-authored with Steven Davis and Cheryl Grim) Working Paper 08-33, Center for Economic Studies, U.S. Census Bureau, 2008.
- “Technology and Skill: An Analysis of Within and Between Firm Differences” (co-authored with John Abowd, Julia Lane, Kevin McKinney and Kristin Sandusky), NBER Working Paper No. 13043, April 2007.
- "The Contribution of Restructuring and Reallocation to China's Productivity and Growth," (co-authored with Haiyan Deng and Robert McGuckin with Xu Jianyi & Liu Yaodong & Liu Yuqi,) Economics Program Working Papers 07-04, The Conference Board, Economics Program.
- “Talent Sorting and Skill Complementarity Across Software Engineers” (co-authored with Fredrik Andersson, Matt Freedman, Paul Oyer and Kathryn Shaw), December 2006.
- “The Evolution of National Retail Chains: How We Got Here” (co-authored with Lucia Foster and C.J. Krizan), Working Paper, December 2006.
- “Reconciling Household and Administrative Measures of Self-Employment,” (co-authored with Melissa Bjelland, Kristin Sandusky, and James Spletzer), Working Paper, March 2006.
- “Firm Performance, Workforce Quality and Workforce Churning,” (co-authored with Benjamin Campbell, Hyowook Chiang, Lawrence Hunter, Ron Jarmin, Nicole Nestoriak and Kristin Sandusky), Working Paper, September 2005.
- "Dynamics of Labor Demand: Evidence from Plant-Level Observations and Aggregate Implications," (co-authored with Russell Cooper and Jonathan Willis), NBER Working Paper No. 10297, February 2004.
- "Microeconomic Evidence of Creative Destruction in Industrial and Developing Countries," (co-authored with Eric Bartelsman and Stefano Scarpetta), IZA Working Paper No. 1374, October 2004.
- "Internal Labor Markets and Diversification Strategies in Financial Services," (co-authored with Hyowook Chiang, Cheryl Grim, Chip Hunter, Ron Jarmin, Nicole Nestoriak, Kristin Sandusky, and Jeongil Seo), Working Paper, December 2004.

*Professional Activities*

Referee for: American Economic Review, Canadian Economic Journal, Economics Letters, Econometrica, Industrial and Labor Relations Review, International Economic Review, Journal of Economic Behavior and Organization, Journal of Economic Dynamics and Control, Journal of International Money and Finance, Journal of Labor Economics, Journal of Macroeconomics, Journal of Money, Credit and Banking, Journal of Political Economy, Review of Economic Studies, Review of Economic Dynamics, Review of Economics and Statistics, Social Science Quarterly, Southern Economic Journal, Quarterly Journal of Economics.

Associate Editor, Journal of Productivity Analysis

Reviewer of National Science Foundation Grant Proposals.

Panel Member, National Science Foundation, January 1989 (REU Grant Program)

Panel Member, National Science Foundation, Economics Advisory Panel, 1991-93.

Panel Member, National Science Foundation, Committee of Visitors for Economics Program, 2007.

Member: American Economic Association, Econometric Society, American Statistical Association.

Editorial Board: Small Business Economics; Journal of Evolutionary Economics; Journal of Macroeconomics.

Chair, National Academy of Sciences Panel on "Federal Business Statistics," 2004-2007 (sponsored by the Kauffman Foundation).

*List of Dissertation Advisees since 2000 (Placement in parentheses):*

Fabiano Bastos (Bank of England) – Chair of Committee  
Sasan Bahktiari (University of New South Wales) – Chair of Committee  
Kim Bayard (Board of Governors Staff of Federal Reserve Board) - Committee Member  
Nihal Bayraktar (Penn State, Harrisburg) – Chair of Committee  
Gary Benedetto (Census) – Chair of Committee  
Hywook Chiang (Welch Associates) – Chair of Committee  
Andri Chassambouli (Central European University) – Chair of Committee  
Juan Contreras (Congressional Budget Office) - Co-Chair of Committee  
Tomas Dvorak (Williams College) – Chair of Committee  
Marcela Eslava (Universidad de Los Andes) – Committee Member  
Jason Faberman (Federal Reserve Board of Philadelphia) – Chair of Committee  
Andrew Figura (Board of Governors Staff of Federal Reserve Board) – Chair of Committee  
Matthew Freedman (Cornell University) – Chair of Committee  
Monica Garcia-Perez (St. Cloud University) – Chair of Committee  
Naomi Griffin (Congressional Budget Office) – Chair of Committee  
Cheryl Ann Grim (Bureau of Census) – Chair of Committee  
Janet Hao (The Conference Board) – Committee Member  
Namsuk Kim (United Nations) – Chair of Committee  
Paul Lengermann (Board of Governors Staff of Federal Reserve Board) – Chair of Committee  
Marios Michaelides (IMPAQ) – Committee Member.  
Nicole Nestoriak (Bureau of Labor Statistics) – Chair of Committee  
Daniel Ortega (Venezuelan Government) – Chair of Committee  
Min Ouyang (UC-Irvine) - Committee Member  
Ana Maria Oviedo (World Bank) – Chair of Committee  
Eugenio Pinto (Board of Governors Staff of Federal Reserve Board) – Chair of Committee  
Pedro Rodriguez (International Monetary Fund) - Committee Member  
Helena Schweiger (European Bank for Reconstruction and Development) – Chair of Committee  
Manisha Singh (India Development Foundation) – Chair of Committee  
Bryce Stephens (Bates-White) – Chair of Committee  
Martin Suster (National Bank of Slovakia) – Chair of Committee  
Chad Syverson (University of Chicago) - Co-Chair of Committee  
John Tsoukalas (Bank of England) – Chair of Committee  
Dan Wilson (Federal Reserve Bank of San Francisco) - Co-Chair of Committee