

## **JAVIER MIRANDA**

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Halle Institute for Economic Research (IWH)  
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Home Address  
Leipzig, Germany

### **EDUCATION:**

Ph.D., Economics, American University, Washington, D.C., 2004  
M.A., Economics, American University, Washington, D.C., 05/01/1997  
B.A., Economics, Universidad Autonoma Madrid, Madrid, Spain, 03/01/1993  
London School of Economics, London, (Summer 1992)

### **AWARDS:**

Responsible for FY2016 \$5.0 million budget line awarded to the Census Bureau Longitudinal Business Database Initiative.

U.S. Department of Commerce Silver Medal award (2020), U.S. Department of Commerce Bronze Medal award (2011), Census Director's Award for Innovation (2007), American University Fellowship Awards (Fall 1997, Spring 1998, Fall 1998, Fall 1999).

### **PROFESSIONAL EXPERIENCE:**

Deputy Director Structural Change and Productivity. Halle Institute for Economic Research (IWH) and Friedrich-Schiller University. Leipzig, Germany, March 2021-Present.

Principal Economist. Economy-Wide Statistics Division. US. Bureau of the Census, Washington, DC. October 2018-2021

Principal Economist. Center for Administrative Records Research and Applications. US. Bureau of the Census, Washington, DC. April 2016-2018.

Principal Economist. Center for Economic Studies. US. Bureau of the Census, Washington, DC. January 2012-2016.

Senior Economist. Center for Economic Studies. US. Bureau of the Census, Washington, DC. March 2009-2012.

Economist. Center for Economic Studies. US. Bureau of the Census, Washington, DC. March 2000-2009.

Consultant. American University (Off-Campus Employment) Center for Economic Studies, U.S. Department of Commerce, Washington, DC. 1998- 1999

Consultant. The World Bank. Private Sector Development Group. Washington, DC. 1996-1997

Research Assistant. The Urban Institute. Labor and Social Policy Center. Washington, DC. 1996

### **PUBLISHED & WORKING PAPERS:**

“Immigration and Entrepreneurship in the United States.” No. w27778. National Bureau of Economic Research, 2020. (with Pierre Azoulay, Benjamin Jones, J. Daniel Kim). R&R American Economic Review: Insights.

“Changing Business Dynamism and Productivity: Shocks vs. Responsiveness” 2020 American Economic Review 110, no. 12 (2020): 3952-90. (with Ryan A Decker, John C. Haltiwanger and Ron S. Jarmin).

“Age and High Growth Entrepreneurship” 2019 R&R American Economic Review: Insights 2(1), pp.65-82. (with Pierre Azoulay, Ben Jones and Danny Kim).

“Measuring Job Creation, Growth, and Survival among the Universe of Start-ups in the United States Using a Combined Start-up Panel Data Set,” (with Rob Fairlie and Nik Zolas). Industrial and Labor Relations Review, Volume 72 Issue 5, October 2019

“Development of Survey Questions on Robotics Expenditures and Use in U.S. Manufacturing Establishments,” (with Catherine Buffington & Robert Seamans). CES Working Paper 18-44

“Measuring the Impact of Household Innovation using Administrative Data,” (with Nikolas Zolas). November 2018 NBER Working Paper 25259.

"Business Dynamics Statistics of High Tech Industries." 2018 Journal of Economics & Management Strategy Revise and Resubmit (with Nathan Goldschlag)

“Early-Stage Business Formation: An Analysis of Applications for Employer Identification Numbers.” 2018 NBER WP 24364 (with Kim Bayard, Emin Dinlersoz, Tim Dunne, John Haltiwanger and John Stevens).

“High Growth Young Firms: Contribution to Job, Output and Productivity Growth” 2017 NBER book Measuring Entrepreneurial Businesses: Current Knowledge and Challenges, John Haltiwanger, Erik Hurst, Javier Miranda, and Antoinette Schoar, editors (with Rob Kulick, John Haltiwanger, and Ron Jarmin.)

“Taken by Storm: Business Survival in the Aftermath of Hurricane Katrina”. Journal of Economic Geography, 17(5), August 2017 (with Emek Basker)

“Declining Dynamism, Allocative Efficiency, and the Productivity Slowdown” 2017 AER (Papers and Proceeding) vol. 107, no. 5, May 2017 (with Ryan A. Decker, John Haltiwanger, Ron S. Jarmin)

“Changes in Business Dynamism? Volatility Vs. Responsiveness of Shocks” 2016 Working Paper (with Ryan Decker, John Haltiwanger, Ron Jarmin).

“Taking the Leap: The Determinants of Entrepreneurs Hiring their First Employee” 2016 Journal of Economics & Management Strategy, 26(1) (with Rob Fairlie)

“Declining business dynamism: Implications for productivity?” 2016 Brookings Institution Report. September 19, 2016. (with Ryan A. Decker, John Haltiwanger, Ron S. Jarmin).

“Where has all the skewness gone? The decline in high-growth (young) firms in the U.S.” 2016 European Economic Review 86 (July):4-23 (with Ryan Decker, John Haltiwanger, and Ron Jarmin.)

“Declining Business Dynamism: What We Know and the Way Forward”. 2016 American Economic Review Papers and Proceedings 106(5)203-7 (with by Ryan Decker, John Haltiwanger, Ron Jarmin)

“The Decline of High –Growth Entrepreneurship.” 2016 Vox. (with with Ryan Decker, John Haltiwanger, Ron Jarmin.)

“Business Dynamics of Innovating Firms: Linking U.S. Patents with Administrative Data on Workers and Firms.” 2017 Forthcoming JEMS (with Stuart Graham, Cheryl Grim, Tariqul Islam, Alan Marco)

“The Role of Entrepreneurship in U.S. Job Creation and Economic Dynamism” Journal of Economic Perspectives, Vol 28 (2014), Issue: 3 (Summer), Pages: 3-24 (with Ryan Decker, John Haltiwanger, and Ron Jarmin.

“Declining Business Dynamism in the U.S. High-Technology Sector.” Kauffman White Paper, February 2014 (with John Haltiwanger, and Ian Hathaway).

“Private Equity, Jobs, and Productivity.” American Economic Review, 2014. NBER, Working Paper No.19458 (Coauthored with Steven J. Davis, John C. Haltiwanger, Kyle Handley, Ron S. Jarmin, Josh Lerner).

“Expanding the role of synthetic data at the U.S. Census Bureau.” Journal of the International Association for Official Statistics, Volume 30, Number 2 / 2014, pg 117-121 (with Ron Jarmin and Louis Thomas).

“SynLBD 2.0: Improving the Synthetic Longitudinal Business Database.” Journal of the International Association for Official Statistics, Volume 30, Number 2 / 2014, pg 129-135. (with Satkartar Kinney, and Jerom Reiter).

“Looking back on three years of using the synthetic LBD beta.” .” Journal of the International Association for Official Statistics, Volume 30, Number 2 / 2014, pg 123-127 (with Lars Vilhuber).

“Who creates jobs? Small vs Large vs Young”. Review of Economic and Statistics, May 2013 (co-authored with John Haltiwanger and Ron Jarmin).

"How Firms Respond to Business Cycles: The Role of Firm Age and Firm Size", IMF Economic Review, 2013 vol. 61, (co-authored with Teresa Fort, John Haltiwanger and Ron Jarmin).

"Anemic Job Creation and Growth in the Aftermath of the Great Recession: Are Home Prices to Blame?". Kauffman Foundation Statistical Brief, July 2013.

“Towards Unrestricted Public Use Business Microdata: The Synthetic Longitudinal Business Database” International Statistical Review, International Statistical Institute, vol. 79(3), pages 362-384, December 2011. (co-authored with Saki Kinney, Jerry Reiter, Arnold Reznick and John Abowd)

“Business Volatility, Job Destruction and Unemployment”. American Economic Journal Macroeconomics, April 2010. (co-authored with Ron Jarmin, John Haltiwanger, Steve Davis and Jason Faberman).

“Private Equity, Jobs and Productivity” in Globalization of Alternative Investments, Working Papers Volume 2, World Economic Forum, 2009. (co-authored with Davis, Steven J., John Haltiwanger, Ron Jarmin and Josh Lerner).

"Private Equity and Employment" in Globalization of Alternative Investments, Working Papers Volume 1, World Economic Forum, 2008. (co-authored with Steven Davis, John Haltiwanger, Ron Jarmin and Josh Lerner).

"The Impact of Hurricanes Katrina, Rita and Wilma on Business Establishments: A GIS Approach" Journal of Business Valuation and Economic Loss Analysis, Vol 4, Issue 2 (April 2009). (co-authored with Ron Jarmin).

"Measuring the Dynamics of Young and Small Businesses: Integrating the Employer and Nonemployer Universes" NBER Working Papers 13226, JUL 2007 (co-authored with Steven J. Davis & John Haltiwanger & Ron S. Jarmin & C.J. Krizan & Alfred Nucci & Kristin Sandusky).

“High Growth and Failure of Young Firms” Kauffman Foundation Statistical Brief, March 2009. (co-authored with Ron Jarmin and John Haltiwanger).

“Entrepreneurship Across States” Kauffman Foundation Statistical Brief, February 2009. (co-authored with Ron Jarmin and John Haltiwanger).

“The Business Dynamic Statistics: An Overview” Kauffman Foundation Statistical Brief, January 2009 (co-authored with Ron Jarmin and John Haltiwanger).

“Jobs Created by Business Startups in the U.S.” Kauffman Foundation Statistical Brief, January 2009 (co-authored with Ron Jarmin and John Haltiwanger)

"Volatility and Dispersion in Business Growth Rates: Publicly Traded Versus Privately Held Firms" NBER Macroannual 2006, Vol 21, pg107-157 (co-authored with Stephen Davis, John Haltiwanger & Ron Jarmin).

“The Long-Term Effects of Job Mobility on the Adult Earnings of Young Men: Evidence from Integrated Employer-Employee Data. CES Working Papers 2005-06, U.S. Census Bureau, Center for Economic Studies

“The Role of Retail Chains: National, Regional, and Industry Results”. CES Working Papers 2005-12, U.S. Census Bureau, Center for Economic Studies (co-authored with Ron Jarmin and Shawn Klimek).

“Firm Entry and Exit in the U.S. Retail Sector, 1977-1997”. CES Working Papers 2004-10, U.S. Census Bureau, Center for Economic Studies (co-authored with Ron Jarmin and Shawn Klimek).

“Alternative Measures of Business Entry and Exit.” Center for Economic Studies Discussion Papers, 2003 (co-authored with Ron Jarmin and Kristin Sandusky).

“Dynamics in the U.S. Retail Sector, 1976-1997.” Center for Economic Studies Discussion Papers, 2003 (co-authored with Ron Jarmin and Shawn Klimek)

"The Longitudinal Business Database: A Primer," 2002 Proceedings of the American Statistical Association, Business and Economics Statistics Section [CD-ROM], New York, NY: American Statistical Association (co-authored with Ron Jarmin).

“The Longitudinal Business Database.” Center for Economic Studies Discussion Papers, CES 02-17 (co-authored with Ron Jarmin)

“Technology Use and Worker Outcomes: Evidence from Linked Employer Employee Data” (co-authored with Adela Luque) Center for Economic Studies Discussion Papers, WP2000-13. (ILRR revise and resubmit).

“Labor Markets and Public Policy: The Case of Morocco”. World Bank Economic Review, Sept 1999” (co-authored with J.I. Lane and G.Hakim).

“The Effect of Worker Reallocation on the Earnings Distribution: Longitudinal Evidence from Linked Data” in The Creation and Analysis of Employer and Employee Matched Data. North Holland, 1999. Contributions to Economic Analysis Series. Edited by Julia I. Lane, John Haltiwanger, Jim Spletzer, Jules Theeuwes and Ken Troske (co-authored with Julia Lane, James Spletzer and Simon Burgess).

## **OTHER WORK:**

“Establishment and Firm Dynamics: New Evidence and Macro Implications” (co-authored with Steven J. Davis, John Haltiwanger, Ron Jarmin). Mimeo.

“Firm Entry and Exit into Geographic Markets and Industry Performance,” (co-authored with Ron Jarmin and Shawn Klimek), Mimeo.

“Welfare Recidivism and the Role of Firms: Evidence from Linked Data”. For The Jacob France Center, University of Baltimore, 1999.

“Malaysian Skill Needs” (co-authored with J.I. Lane and I. Chevchinskaia). World Bank, Private Sector Development, 1998, Monograph.

“LBD Documentation: Geography” CES-TN-2001-02, Center for Economic Studies, U.S. Census Bureau, March, 2001

“Business Dynamics Statistics” An Overview.” Kauffman White Paper, 2009, (with John Haltiwanger and Ron Jarmin”.

“LBD Documentation: Auto Repair Shop Industry; Evaluation of Probabilistic Linking Algorithms” CES-TN-2002-02, Center for Economic Studies, U.S. Census Bureau, March, 2002

“LBD Documentation: Defining Active Establishments and Other Data Issues” CES-TN-2002-04, Center for Economic Studies, U.S. Census Bureau, March, 2002

“LBD Documentation: Geography” CES-TN-2001-02, Center for Economic Studies, U.S. Census Bureau, March, 2001

“Evaluation of Name and Address Linking Algorithms: SAS Data Quality Server vs Automatch” CES-TN-2005-01, Center for Economic Studies, U.S. Census Bureau, March, 2005

“LBD Documentation: Procedures to Update the LBD” CES-TN-2006-07, Center for Economic Studies, U.S. Census Bureau, March, 2006

“LBD Documentation: Splitters and Combined Reports in the LBD” CES-TN-2006-10, Center for Economic Studies, U.S. Census Bureau, March, 2006

“Statistical Linking With Automatch: Diagnosis of the SSEL 1996 to 1997 Full Linking Procedure” CES-TN-2000-01, Center for Economic Studies, U.S. Census Bureau, March, 2000

“BR Documentation: Constructing SSEL files from the BR” CES-TN-2006-05, Center for Economic Studies, U.S. Census Bureau, March, 2006

“BR Documentation: Production” CES-TN-2006-06, Center for Economic Studies, U.S. Census Bureau, March, 2006

## DATA DEVELOPMENT

Longitudinal Business Database (LBD). Center for Economic Studies. U.S. Census Bureau.

- Basic features: Updated annually this database currently covers establishments and firms in the U.S. private non farm economy. Series starts in 1976.
- Unit: Establishments.
- Access: Confidential. See <http://www.census.gov/ces/>

Business Dynamics Statistics (BDS). Center for Economic Studies. U.S. Census Bureau.

- Basic features: Updated annually this database is an aggregated version of the LBD. Aggregations by firm size, firm age, sector, state, MSA included. Series starts in 1976.
- Aggregates: Establishments units.
- Access: Public use tabulations as well as visualizations. See <http://www.census.gov/ces/dataproducts/bds/index.html>

Business Dynamics Statistics of High Tech Firms (BDS-HT). Center for Economic Studies. U.S. Census Bureau.

- Basic features: Updated annually this database is an aggregated version of the LBD. Aggregations by firm size, firm age, sector, state, MSA included. Series starts in 1976.
- Aggregates: Establishments units.
- Access: Forthcoming. Public use tabulations as well as visualizations. See <http://www.census.gov/ces/dataproducts/bds/index.html>

Synthetic Longitudinal Business Database (SynLBD). Center for Economic Studies. U.S. Census Bureau.

- Basic features: Beta product. This database is a synthetic database of establishments in the U.S. Currently series starts in 1976 and goes through 2001. A new version updated through 2010 will be released soon.
- Unit: Synthetic establishments.
- Access: See <http://www.census.gov/ces/dataproducts/synlbd/index.html> and <http://www2.vrdc.cornell.edu/news/synthetic-data-server/>

Business Formation Statistics (BFS). Center for Economic Studies. U.S. Census Bureau.

- Basic features: Updated quarterly this database includes both selected business application series as well as a modelled business formation series. The series are available at the national and state level initially. Series starts in 2004.
- Aggregates: Business applications and business formation.
- Access: Forthcoming. Public use tabulations as well as visualizations. See <http://www.census.gov/ces/dataproducts/bds/index.html>

## CONFERENCE ORGANIZER

US Census Bureau/NYU Stern Business School Robotics Workshop. (with Rob Seamans). June23, Washington D.C. Video Conference.

Co-organizer of NBER-CRIW conference Measuring and Accounting for Innovation in the 21<sup>st</sup> Century, March 2017. (with Carol Corrado, Jonathan Haskel and Dan Sichel)

Co-organizer of Measuring Innovation: New Metrics and New Data. Google, Mountain View, California. (with Hal Varian, Catherine Fazio and Lee Fleming). March 3rd, 2016

Co-organizer of the “Joint Census/USPTO External Expert Workshop on Innovation Data Opportunities: Linking U.S. Patent Data with U.S. Census Data on Workers and Firms” Organized (with Ben Jones and Scott Stern). Boston, MA, MIT Sloan School of Management. July 16, 2015.

Co-organizer of the NBER-CRIW Measuring Entrepreneurial Businesses: Current Knowledge and Challenges (with John Haltiwanger, Erik Hurst, and Antoinette Schoar). Washington, DC, Marriot Hotel. December 16-17, 2014.

Co-organizer of the “Smart-Data Smart-Policy Workshop” sponsored by the U.S. Commerce Department, U.S. Small Business Administration, and the U.S. Census Bureau (with Cassandra Ingram and Brayden McCarthy). Washington, DC, Eisenhower Executive Office Building. January 23<sup>rd</sup>, 2013.

## **PROFESSIONAL ACTIVITIES**

Chair of the OCED Bureau of the Working Party on Industry Analysis (2013-2016)

U.S. Delegate to the OECD Working Party on Industry Analysis. (2010-2016)

Member of the steering committee of the Entrepreneurship Indicators Program of the OECD.

Member of the NBER-Conference of Research in Income and Wealth.

Referee for: Review of Economics and Statistics, Journal of Finance, Journal of Industrial Economics, Journal of Labor Economics, Journal of Productivity Analysis, Southern Economic Journal, Easter Economic Journal, Journal of the European Economic Association, Southern Economic Journal, Journal of Industrial Economics, Statistics Canada, Small Business Economics, Journal of Economic Behavior and Organization, Labour Economics.

Reviewer for the National Science Foundation. Reviewer for the National Academy of Engineering.

Member: American Economic Association, Society of Government Economists, Society of Labor Economists, American Statistical Association.

## **PRESENTATIONS (selected):**



- Kauffman Foundation. “Immigration and Entrepreneurship in the United States.” January, 28, 2021.
- Harvard Business School. “Immigration and Entrepreneurship in the United States.” October, 2020.
- HEC Paris. “Changing Business Dynamism and Productivity: Shocks vs. Responsiveness.” November 15-17, 2019, Paris, France.
- Stanford-Hallym Asia-Pacific Innovation Conference. “Age and High Growth Entrepreneurs.” June 3rd, 2019, Chenchuon, South Korea. (keynote).
- Comparative Analysis of Enterprise (micro) Data Conference. “Age and High Growth Entrepreneurs.” May 18, 2019, Ann Arbor, Michigan, US.
- National Institute for Social and Economic Research “Changing Business Dynamism and Productivity: Shocks vs. Responsiveness.” April 18, 2019, London, UK.
- Royal Economic Society Annual Conference: ONS Special Session: Micro-data perspectives on the productivity puzzle. “Changing Business Dynamism and Productivity: Shocks vs. Responsiveness.” April 15-17, 2019, Warwick, UK.
- NBER Summer Institute “Early-Stage Business Formation: An Analysis of Applications for Employer Identification Numbers.” NBER-SI-CRIW, July 17, 2017, Boston.
- Globalization and New Technology: Effects on Firms and Workers “Changing Business Dynamism and Productivity: Shocks vs. Responsiveness.” June 16, 2017, Research Institute of Industrial Economics conference, Vaxholm, Sweden.
- Central Bank of the Republic of Argentina “Changing Business Dynamism and Productivity: Shocks vs. Responsiveness.” Seminar, June 10, 2017, Buenos Aires.
- Productivity Research Using Administrative Data. “Understanding Business Dynamics and Productivity Growth using Administrative Data.” Keynote presentation, June 8, 2017, Buenos Aires. Datafirm-Latam conference, Latin American Development Bank.
- Business Dynamism and Productivity Workshop “Changing Business Dynamism and Productivity: Shocks vs. Responsiveness.” May 10, 2017, Ottawa, Bank of Canada Conference.
- Small Business Finance Exchange Members Meeting “Understanding Business Dynamism: What is the role of Financing”. March 9, 2017, Charlotte, NC.
- ICC Conference, “Changes in Business Dynamism and Productivity: Shocks vs. Responsiveness.” December 14, 2016, Berkeley, US.
- Southern Economic Association, “Changes in Business Dynamism and Productivity: Shocks vs. Responsiveness”. DC, November 2016
- OECD Working Party on Industry Analysis. “Declining Business Dynamism: Implications for Productivity?” October 10, 2016, Paris, France.
- International Conference on Enterprise Surveys V. “The LBD Initiative: Understanding Innovation and Entrepreneurship in the U.S.” and “Business Dynamics of Innovative Firms: Linking U.S. Patent Data with Administrative Data on Workers and Firms.” June 22, 2016, Geneva, Switzerland.
- 3<sup>rd</sup> International ZEW Conference on the Dynamics of Entrepreneurship. “The Decline in High Growth Entrepreneurship in the U.S.” Keynote presentation. June 6-7, 2016. Mannheim, Germany.

- NCSES/CNSTAT Workshop on Advancing Concepts and Models of Innovative Activity and STI Indicator Systems. National Academy of Sciences, Washington DC. “Measuring the High Tech Sector (Quantities and Outcomes).” May 19-20, 2016
- Measuring Innovation: New Metrics and New Data. Google, Mountain View. “Measuring the High Tech Sector Session 1: Integrating New Data Sources.” March 3rd, 2016.
- The Kauffman Firm Survey (KFS) Conference at Duke University, Durham, NC. Sponsored by Duke University Innovation & Entrepreneurship Initiative “Taking the Leap: The determinants of entrepreneurs hiring their first employee” Durham, NC. December 11-12, 2015
- George Mason University “Where has all the skewness gone? The decline in high-growth (young) firms in the U.S.” Washington, DC. Dec 1<sup>st</sup>, 2015.
- University of Los Andes. “Where has all the skewness gone? The decline in high-growth (young) firms in the U.S.” Bogota, Columbia, November 10, 2015.
- Columbian Statistical Agency (ANDE) “The Business Register and the Business Dynamics Statistics Program”. Bogota, Columbia, November 11, 2015.
- UNSD-INEGI International Workshop on Economic Census, Business Registers and Integrated Economic Statistics, 29 September – 1 October 2015. “The Business Dynamics Statistics Program”
- NSF Knowledge Conference 2015: Facilitating the Creation and Transfer of Knowledge. “The decline of entrepreneurship and high growth (young) firms in the U.S. “ Wharton University of Pennsylvania, Philadelphia, PA, July 27<sup>th</sup>, 2015.
- MIT Sloan School of Management. Innovation Data Opportunities: Linking U.S. Patent Data with U.S. Census Data on Workers and Firms. Boston, MA. July 16<sup>th</sup>, 2015.
- NBER Discussant “The Impact of Bank Credit on Labor Reallocation and Aggregate Industry Productivity: by Bai, Carvalho, and Phillips” NBER, July 14<sup>th</sup>, 2015, Boston, MA
- Center for Economic Studies. Business Dynamics of Innovating Firms. Linking U.S. Patent Data with U.S. Census Data on Workers and Firms. May 2015
- U.S. Patent and Trademark Office. Business Dynamics of Innovating Firms. Linking U.S. Patent Data with U.S. Census Data on Workers and Firms. April 30<sup>th</sup>, 2015
- Third Annual Searle Center Research Roundtable on Patents and Technology Standards: The Data Sets. “Business Dynamics of Innovating Firms: Linking U.S. Patent Data with Administrative Data on Workers and Businesses.” Northwestern University. April 9-10, 2015. Chicago.
- Midwest Economic Association Meetings, “The Secular Decline in Business Dynamism in the U.S.”. March 28<sup>th</sup>, 2015.
- Bureau of Labor Statistics “The Secular Decline in Business Dynamism in the U.S.”, March 11, 2015.
- Bank of Canada “High Growth Young Firms: Contribution to Job Growth, Revenue Growth and Productivity” February 19-20, 2015. Conference on Recent Developments in Productivity Measurement and Analysis, Ottawa, Canada.

- Instituto Nacional de Estadística “Presente y future del programa de dinamica empresarial”. Seminar of the National Statistics School. January 22, 2015, Madrid, Spain.
- Imperial College of London “The Decline in Business Dynamism in the US” Brown bag seminar. January, 19<sup>th</sup>, 2015, London, England
- UK Intellectual Property Office “Business Dynamics Statistics: Present and Future”, Conference on Business Dynamics. January 20<sup>th</sup>, 2015, London, England.
- NBER Summer Institute, “Business Dynamics of Innovating Firms: Linking U.S. Patent data with Administrative Data on Workers and Businesses”, Boston MA, July 16 ,2014.
- NBER Summer Institute, “Taken by Storm: Business Survival in the Aftermath of Hurricane Katrina”, Boston MA, July 14 ,2014.
- Center for Economic Studies “Taken by Storm: Business Survival in the Aftermath of Hurricane Katrina”, Washington DC, May 29 ,2014.
- BLS/Census Bureau 4<sup>th</sup> Annual Workshop, “Declining Dynamism in the US”, Washington DC, May 18, 2014.
- OECD-Eurostat Workshop on Entrepreneurship, “Business Dynamics Statistics”, Luxembourg, May 12 ,2014.
- GMU Public Policy Brown Bag Series, “How Firms Respond to Business Cycles: The Role of Firm Age and Firm Size”, Sept 3, 2013, Washington, DC, USA.
- Commerce Dptm. Office of Policy and Strategic Planning, "Business Start-Ups, Survival, and Growth: Data Resources and Research Findings from the Census Bureau Business Dynamics Statistics Program", Washington DC, August 20, 2013
- NBER Summer Institute, “Measuring and Analyzing the Impact of Natural Disasters”, July 15, 2013.
- Federal Reserve Board, "How Firms Respond to Business Cycles: The Role of Firm Age and Firm Size", Washington DC, April 10, 2013
- GMU Doctoral Political Science Class, “Current Research from the Business Dynamics Statistics Program”, April, 2013, Washington, DC, USA.
- NBER Entrepreneurship Working Group, "How Firms Respond to Business Cycles: The Role of Firm Age and Firm Size". Boston, Dec 6-7, 2012
- OECD-MIT Knowledge Based Capital Conference “The Secular Decline in Business Dynamism in the US”OECD WPIA. “High Growth Firms”, Paris, Nov 2012.
- Banco de Espana "How Firms Respond to Business Cycles: The Role of Firm Age and Firm Size", Madrid, Nov 2012.
- OECD WPIA. Paris, Nov 2012. “High Growth Firms”
- “The Future of the Federal Statistical System in an Era of Open Government Data” September 12th – 13th, in Washington D.C.
- The UN workshop on Business Registers for developing countries, Sunday 16 September 2012, Washington DC
- 11th Comparative Analysis of Enterprise Data & COST Conference 2012 (CAED 2012) on 26-28 April 2012 in Nuremberg, Germany
- OECD CIIE Meetings and OECD STI Seminar Series. April 2012, Paris, France.
- Barlow Research Associates. “Understanding the SOHO Market”, May, 2012.

- GWU Innovative Data Sources for Regional Economic Analysis Conference. May, 2012, Washington, DC, USA.
- GMU Doctoral Political Science Class, “Current Research from the Business Dynamics Statistics Program”, February, 2012, Washington, DC, USA.
- Spain’s Department of Commerce. January 23<sup>rd</sup>, 2012. Madrid, Spain.
- Workshop on Growth Entrepreneurship. January 19<sup>th</sup>, 2012. Copenhagen, Denmark.
- White House Office of Science and Technology Policy, January 12<sup>th</sup>, 2012. Washington, DC.
- ASSA, “The Secular Decline in Business Dynamism in the US”, January 2012, Chicago.
- Southern Economic Association. DC, Nov 2011.
- OECD WPIA/CIIE groups. Paris, Nov 2011.
- Suburbs and the 2010 Census Conference, June 2011.
- Productivity Workshop, Copenhagen, May 2011.
- American Economic Association. Denver, Jan-2011.
- OECD Working Party on Industry Analysis. Paris, France, Nov-2010.
- Small Business, Entrepreneurship, and Economic Recovery: A Focus on Job Creation and Economic Stabilization. Federal Reserve Board of Atlanta, Oct-2010
- CAED 2010, Imperial College, London, Sept-2010.
- Kauffman Interagency Forum on Entrepreneurship and Innovation, Brookings Institution, June 4 2010
- ASA Advisory Council on Energy Statistics. 2010.
- Census Advisory Committee of Professional Associations Oct, 2007, April 2008.
- Regional Economic Association Meetings. San Francisco, November 2009.
- International Conference on Comparative Analysis of Enterprise (Micro) Data, Japan, September 2009
- New Jersey State Data Center “The Business Dynamics Statistics”.
- C2ER 49th Annual Conference “Census Bureau Data for Entrepreneurship and Innovation Research”
- C2ER Round Table “Regional Data—What Would You Do?”
- International Conference on Comparative Analysis of Enterprise (Micro) Data, Budapest, Hungary (May 22-23, 2008)
- Milano New School of Management and Urban Policy, NY, Nov 15, 2006
- NBER Entrepreneurship Working Group, Boston, Oct 20, 2006
- International Conference on Comparative Analysis of Enterprise (Micro) Data, Chicago, (18-19 Sep 2006)
- SOLE/EALE joint meeting, San Francisco, June 2-5, 2005
- OECD Workshop on Service Statistics, OECD Paris, 15-16 (November 2004).
- Society of Labor Economists. Poster session. (September, 2003).
- Center for Economic Studies, US Bureau of the Census, Washington, D.C. (1999, 2001, 2002, 2003, 2005).
- Joint Statistical Meetings, New York City, New York (11-15 August 2002).
- International Conference on Comparative Analysis of Enterprise (Micro) Data, Aarhus, Denmark (8-10 October 2001)

- Eastern Economic Association Meetings, Crystal City, VA (March 2000).
- Simposio de Analisis Economico, Barcelona, Spain (December 1999).

**TEACHING EXPERIENCE:**

George Mason University, Guest Lecturer: 2012, 2013, 2015