

# Iourii Manovskii

## Curriculum Vitae

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### Contact Information

Department of Economics, University of Pennsylvania  
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**Citizenship:** Canada, Moldova, US O-1 visa.

**Major Areas of Research:** Macro and Labor Economics.

### Education

<i>Degree</i>	<i>Field</i>	<i>Institution</i>	<i>Year</i>
Ph.D.	Economics	University of Western Ontario	2004
M.A.	Economics	University of Western Ontario	1998
M.A.	Economics	Vanderbilt University	1997
B.A.	Economics	Peoples' Friendship University of Russia	1995

**Ph.D. Dissertation:** "Documenting Occupational Specificity of Human Capital and Exploring its Equilibrium Implications." Advisors: Andrés Erosa and Gustavo Ventura.

### Current Position

Associate Professor, University of Pennsylvania, July 2011 – present.

### Other Affiliations

Research Associate, National Bureau of Economic Research, 2013 – present.

Research Affiliate, Center for Economic Policy Research, 2009 – present.

### Past Positions

Research Fellow, Institute for the Study of Labor (IZA), Bonn, Dec. 2003 – 2013.

Faculty Research Fellow, National Bureau of Economic Research, 2008 – 2013.

Assistant Professor, University of Pennsylvania, July 2004 – June 2011.

Visiting Assistant Professor, University of Chicago, September 2005 – June 2006.

Lecturer, University of Pennsylvania, July 2003 – June 2004.

Visiting Scholar, Federal Reserve Bank of Philadelphia, 2012 – present.

Visiting Scholar, European Central Bank, January 2007.

Visiting Scholar, Federal Reserve Bank of Minneapolis, Sep. 2002, Aug. 2005 & 2006.

Visiting Scholar, Federal Reserve Bank of Atlanta, December 2003.

Instructor, TA, RA, University of Western Ontario, 1997 – 2003.

### **Publications in Refereed Journals**

- “Identifying Equilibrium Models of Labor Market Sorting,” with Marcus Hagedorn and Tzuo Law. *Econometrica*, Forthcoming.
- “Taxation and Unemployment in Models with Heterogeneous Workers,” with Marcus Hagedorn and Sergiy Stetsenko. *Review of Economic Dynamics*, 19(1) Jan. 2016, pp. 161-189.
- “The U-Shapes of Occupational Mobility,” with Fane Groes and Philipp Kircher. *Review of Economic Studies*, 82(2) April 2015, pp. 659-692.
- “The Price of Experience,” with Hyeok Jeong and Yong Kim. *American Economic Review*, 105(2) Feb. 2015, pp. 784-815.
- “Job Selection and Wages Over the Business Cycle,” with Marcus Hagedorn. *American Economic Review*, 103(2) April 2013, pp. 771-803.
- “A Cautionary Note on Using (March) CPS and PSID Data to Study Worker Mobility,” with Gueorgui Kambourov. *Macroeconomic Dynamics*, 17(1) Jan. 2013, pp. 172-194.
- “Productivity and the Labor Market: Co-Movement over the Business Cycle,” with Marcus Hagedorn, *International Economic Review*, 52 (3) Aug. 2011, pp. 603-619.
- “Occupational Mobility and Wage Inequality,” with Gueorgui Kambourov. *Review of Economic Studies*, 76 (2) April 2009, pp. 731-759.
- “Occupational Specificity of Human Capital,” with Gueorgui Kambourov. *International Economic Review*, 50 (1) Feb. 2009, pp. 63-115.
- “The Cyclical Behavior of Equilibrium Unemployment and Vacancies Revisited,” with Marcus Hagedorn. *American Economic Review*, 98 (4), Sept. 2008, pp. 1692–1706.
- “Rising Occupational and Industry Mobility in the United States: 1968-1997,” with Gueorgui Kambourov. *International Economic Review*, 49 (1) Feb. 2008, pp. 41-79.

### **Other Publications**

- “Theory Ahead of Identification: Research Agenda of Marcus Hagedorn and Iourii Manovskii,” *Economic Dynamics Newsletter*, April 2014.
- “Families and Careers,” with Gueorgui Kambourov and Irina Telyukova. In *Frontiers in Family Economics, Volume 1*, edited by P. Rupert, pp. 217-256, 2008. Emerald Group Publishing Limited, UK.

**Research Papers** (downloadable from <http://www.econ.upenn.edu/~manovski/>)

- “Reconciling Estimates of Income Processes in Growth and Levels,” with Moira Daly and Dmytro Hryshko.
- “Unemployment Benefits and Unemployment in the Great Recession: The Role of Macro Effects,” with Marcus Hagedorn, Fatih Karahan, and Kurt Mitman. *NBER WP* 19499.
- “The Impact of Unemployment Benefits Extensions on Employment: The 2014 Employment Miracle?” with Marcus Hagedorn and Kurt Mitman. *NBER WP* 20884.
- “Interpreting Recent Quasi-Experimental Evidence on the Effects of Unemployment Benefits Extensions” with Marcus Hagedorn and Kurt Mitman. *NBER WP* 22280.
- “Identifying Neutral Technology Shocks,” with Luigi Bocola and Marcus Hagedorn.
- “How Much Consumption Insurance in the U.S.?,” with Dmytro Hryshko.
- “Demand Stimulus, Inflation and Marginal Costs: Empirical Evidence,” with Jessie Handbury and Marcus Hagedorn.
- “Search Frictions and Wage Dispersion,” with Marcus Hagedorn.
- “On the Link between Declining Procyclicality of Labor Productivity and Increasing Relative Volatility of Labor Input,” with Bjoern Bruegemann.
- “Excessive Risk Taking,” with Marcus Hagedorn.
- “Fragility: A Quantitative Analysis of the US Health Insurance System,” with Bjoern Bruegemann.
- “Occupational Mobility and the Returns to Training,” with Gueorgui Kambourov and Miana Plesca.
- “Employer Coverage Decisions: Unintended Consequences of 2010 Health Insurance Reform,” with Bjoern Bruegemann and Gregory Phelan.
- “Accounting for the Changing Life-Cycle Profile of Earnings,” with Gueorgui Kambourov.
- “Productivity Gains from Progressive Taxation of Labor Income.”

**Work in Progress**

- “Unemployment Benefits and Unemployment in the Great Recession: The Role of Micro Effects,” with Marcus Hagedorn and Kurt Mitman.
- “Plugging Holes,” with Philipp Kircher.
- “Interpreting Income Dynamics,” with Moira Daly, Fane Groes, and Dmytro Hryshko.
- “The Fiscal Multiplier,” with Marcus Hagedorn and Kurt Mitman.
- “The Cyclical Behavior of Worker Reallocation,” with M. Hagedorn and G. Kambourov.

**Data Project**

- “Postwar U.S. Labor Productivity Data” with Bjoern Bruegemann and Marcus Hagedorn.

## **Research Grants**

National Science Foundation Grant “Macroeconomics of Labor Market Sorting,” 2014-2017. \$307,771.

University of Pennsylvania, School of Arts and Sciences Research Opportunity Grant “Public Policies and Job Creation,” 2014. \$5,000.

Economic and Social Research Council Large Grant, University of Edinburgh, UK. “Credit and Labor Market Foundations for Macroeconomy,” 2015-2020. Co-Investigator. £6 million.

National Science Foundation Grant No. SES-0922406 “Macroeconomics of Occupational Mobility: New Facts, Theory, and Quantitative Evaluation,” 2009-2013. \$346,263.

National Science Foundation Grant No. SES-0617876 “Macro Perspectives on the Labor Market,” 2006-2009. \$224,573.

University of Pennsylvania Research Foundation Grant “Accounting for the Changing Life-Cycle Profile of Earnings,” 2005-2006. \$35,000.

Social Sciences and Humanities Research Council of Canada, Initiative on the New Economy (joint with the Department of Human Resources and Skills Development, and Industry Canada), Skills Research Initiative on Labour Market and Skills Implications of Population Aging, Grant #537-2004-0016, 2004-2005, co-applicant (with Gueorgui Kambourov and Miana Plesca). \$20,000.

Social Sciences and Humanities Research Council of Canada, Initiative on the New Economy (joint with the Department of Human Resources and Skills Development, and Industry Canada), Skills Research Initiative on Employer-Supported Training, Grant #537-2004-0013, 2004-2005, co-applicant (with Gueorgui Kambourov and Miana Plesca). \$20,000.

Two research grants from Peoples’ Friendship University of Russia, 1995.

## **Academic Awards and Fellowships**

Excellence in Refereeing Award, American Economic Review, 2012.

TM Brown Thesis Prize for best doctoral dissertation in Economics, UWO, 2005.

Review of Economic Studies European Meetings (REStud Tour), 2003.

Special University Scholarship, University of Western Ontario, 1997-2002.

International Graduate Student Scholarship, University of Western Ontario, 1997-2002.

Graduate Teaching Assistantship, University of Western Ontario, 1997-2002.

Edmund S. Muskie Fellowship, Vanderbilt University, 1995-1997.

University Tuition Scholarship, Vanderbilt University, 1995-1996.

Award for the Best Thesis in Peoples’ Friendship University of Russia in 1995.

University Scholarship, Peoples’ Friendship University of Russia, 1991-1995.

## **Invited Seminars**

### **2002-2004**

Atlanta Fed, Bank of Canada, Univ. of Calgary, Univ. of California – Davis, Carleton Univ., Univ. of Guelph, London School of Economics, Univ. of Minnesota, Univ. de Montréal, Minneapolis Fed, Northwestern Univ. and Chicago Fed, Richmond Fed, Univ. of Pennsylvania, Univ. du Québec à Montréal, Queen's Univ., Simon Fraser Univ., Univ. of Southern California Marshall School of Business, Tilburg Univ., Univ. of Waterloo, Univ. of Western Ontario, Wilfrid Laurier Univ.

### **2004-2005**

New York Univ., Univ. of Chicago, Univ. of Pennsylvania, Univ. of Chicago Graduate School of Business, Pennsylvania State Univ., Univ. of Texas-Austin, Vanderbilt Univ., Univ. of Western Ontario.

### **2005-2007**

Arizona State Univ., Carnegie Mellon Univ., CEMFI (Spain), Univ. of Chicago, Univ. of British Columbia, Univ. of California Los Angeles, Chicago Fed, Georgetown Univ., Univ. of Maryland, Massachusetts Institute of Technology, New York Fed, Simon Fraser Univ., Univ. of Southern California, St. Louis Fed, Stanford Univ., Univ. of Wisconsin, Yale Univ.

### **2007-2009**

Univ. of Alberta - Edmonton, Atlanta Fed, Boston Univ., Univ. of California - Berkeley Haas School of Business, Univ. of California - San Diego, Cleveland Fed, Univ. of Kansas, NYU Econ-Stern macro lunch, Univ. of North Carolina - Chapel Hill, Ohio State Univ., Univ. of Pennsylvania, Philadelphia Fed, Penn State Univ., Univ. du Québec à Montréal, Univ. of Toronto, Univ. of Zurich.

### **2009-2011**

Univ. of Aarhus, Univ. Autònoma de Barcelona, Univ. of California Los Angeles, Univ. of California Santa Barbara, Columbia Univ., Concordia Univ., Univ. of Michigan, HEC Montreal, Univ. of Montreal, Northwestern Univ., Univ. of Pennsylvania, Princeton Univ., Sciences Po and Paris School of Economics, Univ. of Rochester, Univ. of Texas - Austin, Washington Univ. St. Louis and St. Louis Fed.

### **2011-2013**

Arizona State Univ., Univ. of Bonn, Univ. of Chicago Booth School of Business, Chicago Fed, Cleveland Fed, Columbia Univ., Collegio Carlo Alberto, Einaudi Institute for Economics and Finance, Indiana Univ., Institute for Advanced Studies (HIS) Vienna, Univ. of Mannheim, Univ. of Notre Dame, New York Fed, Philadelphia Fed, Univ. of Toulouse, Washington Univ. in St. Louis.

### **2013-2015**

Boston College, UCLA, CUNY Graduate Center, University College London, U. of Connecticut, U. of Edinburgh, Federal Reserve Board, U. of Maryland, MIT, U. of Minnesota, New York U., Northwestern U., Pennsylvania State U., Princeton U., U. of Toronto, U. of Toulouse, U. of Wisconsin-Madison.

## **Conference Presentations**

“Occupations, Skills, and the Labor Market” ZEW, Mannheim, Germany, March 2016. (Keynote speaker.)

Minnesota Workshop in Macroeconomic Theory, 2005, 2008, 2009, 2013, 2015.

National Bureau of Economic Research, Economic Fluctuations and Growth Research Meeting, 2009, 2015.

“Sorting: Theory and Estimation,” Barcelona GSE Summer Forum, June 2014, 2015.

National Bureau of Economic Research Summer Institute, Cambridge, MA, 2003 - 2005, 2007 - 2016.

2014 Annual Economic Policy Conference of the Federal Reserve Bank of St. Louis, October 2014.

Cowles Foundation Summer Conference, Yale, June 2009, 2013, 2014.

Society for Economic Dynamics, Annual Meeting, 2002, 2004, 2005, 2008 – 2015.

NBER Public Economics Program Meeting, Cambridge, MA, April 2014.

Philadelphia Search and Matching Workshop, 2005, 2007 - 2010, 2012, 2014.

“Recent Developments in the U.S. Labor Market”, Conference at the Atlanta Fed, October 2013.

Econometric Society North American Winter Meetings, San Diego, January 2013.

“Macroeconomics Across Time and Space,” NBER - Philadelphia Fed Conference, May 2011, 2013.

Canadian Macroeconomics Study Group Conference, 2003, 2008 - 2012.

Human Capital Conference, Federal Reserve Bank of St. Louis and Washington University, Nov. 2012.

Society of Labor Economics Annual Meetings, Chicago, May 2012.

“A Celebration of Statistics Canada and Better Decision Making through Data,” Ottawa, Canada, March 2012.

“Cologne Workshop on Macroeconomics,” University of Cologne, Germany, July 2011.

“Worker Flows and Labor Market Adjustment: New Evidence and Determinants,” Conference at Universitat de Girona, Spain, May 2011 (keynote speaker).

Cornell - Penn State Macro Workshop, April 2011.

New York/Philadelphia Workshop on Quantitative Macroeconomics, 2008, 2009, 2010, 2011.

Canadian Economic Association, 2001 - 2003, 2005, 2011.

Midwest Macro Meetings, 2008, 2009, 2011.

Philadelphia Workshop on Monetary and Macroeconomics, 2005, 2010.

“Micro and Macro Labor Models,” Conference at the Laboratory for Aggregate Economics and Finance (LAEF) at the University of California, Santa Barbara, October 2010.

“Matched Employer-Employee Data: Developments since AKM,” Conference at the University of Aarhus, October 2010.

“Macroeconomic Fluctuations and the Labor Market,” CREI and the Kiel Institute for the World Economy Conference, Barcelona, October 2009.

“Health and the Macroeconomy,” Conference at the Laboratory for Aggregate Economics and Finance (LAEF) at the University of California, Santa Barbara, October 2009.

“Current Topics in Macroeconomic Theory and Policy,” Conference at the Institute for Advanced Studies (IHS), Vienna, Austria, October 2009.

**Conference Presentations (continued)**

“Recent Developments in Macroeconomics,” Yonsei University, Seoul, Korea, June 2009.  
Research in Money and Markets Workshop, University of Toronto, September 2008.  
CEPR European Summer Symposium on International Macroeconomics, Spain, May 2006.  
Bank of Canada, University of Western Ontario, and Queen’s University joint Workshop on “Labor Supply and Productivity over the Life Cycle,” Ottawa, April 2006.  
Prague-Budapest Workshop in Macroeconomic Theory, June 2005.  
Stanford Institute for Theoretical Economics (SITE), August 2004.  
Cleveland FED Workshop on Human Capital, August 2004.  
Invited Society for Economic Dynamics session at the American Economic Association Annual Meeting, San Diego, January 2004.  
Review of Economic Studies European Meetings, London, May 2003.

**Conference Discussions**

Philadelphia Search and Matching Workshop, September 2014. Discussed “Debt Constraints and Employment,” by Virgiliu Midrigan, Patrick Kehoe, and Elena Pastorino.  
Philadelphia Workshop on Monetary and Macroeconomics, April 2013. Discussed “Unemployment and Business Cycles,” by Lawrence J. Christiano, Martin S. Eichenbaum, and Mathias Trabandt.  
Econometric Society Winter Meetings, New Orleans, January 2008. Discussed “Wage Rigidity and Job Creation,” by Christian Haefke, Marcus Sonntag, and Thijs van Rens.  
American Real Estate and Urban Economics Association meeting, New Orleans, January 2008. Discussed “The Dynamics of Job Creation and Destruction over the Size Distribution of Cities,” by Nancy Wallace and Donald Walls.  
NBER Rogerson-Shimer-Wright Group Meeting at the Chicago Fed, March 2007. Discussed “Comparative Advantage in Cyclical Unemployment,” by Mark Bilal, Yongsung Chang and Sun-Bin Kim.  
NBER Rogerson-Shimer-Wright Group Meeting at the Cleveland Fed, Oct. 2005. Discussed “More on Unemployment and Vacancy Fluctuations,” by Dale Mortensen and Éva Nagypál.  
Philadelphia Workshop on Monetary and Macroeconomics, March 2004. Discussed “Aggregate Worker Reallocation and Occupational Mobility in the United States, 1976-2000,” by Giuseppe Moscarini and Francis Vella.  
Canadian Economic Association, 35<sup>th</sup> Annual Meeting, Montréal, June 2001. Discussed “Technological Change, the Minimum Wage, and Welfare” by Burhanettin Kuruşçu.

## **Teaching Experience**

University of Pennsylvania:

- Graduate Topics in Macro/Labor, fall 2008, 2015, spring 2013, 2015.
- Graduate Topics in International Trade, spring 2012.
- Graduate Quantitative Macro Theory: Computational Methods, fall 2011.
- Graduate Topics in Macro: Models with Heterogeneous Agents, fall 2010.
- International Economics: fall 2003, 2004, 2006, 2008, 2015, spring 2010 - 2015.
- International Trade: fall 2006, 2007, 2015, spring 2010, 2014, 2015.

University of Chicago: International Economics, fall 2005.

University of Western Ontario:

- Intermediate Macroeconomic Theory and Policy II, summer 2001.
- Income Distribution and Poverty, summer 1999, summer 2000, fall 2000.

## **Ph.D. Students Supervised at the University of Pennsylvania**

Main Thesis Advisor:

- Sergiy Stetsenko (2010, Moody's),
- Allan Dizioli (2012, IMF),
- Tzuo Hann Law (2015, Boston College).

Thesis Committee Member of:

- Yasuo (Yaz) Terajima (2004, Bank of Canada),
- Lodewijk (Ludo) Visschers (2007, Simon Fraser University),
- Key Muraki (2009, Japanese Government),
- Omer Parmaksiz (2010, Private Sector),
- Serdar Ozkan (2011, Federal Reserve Board),
- Hans Halter (2011, Uppsala University),
- Stanislav Rabinovich (2012, Amherst College),
- Cesar Santos (2012, University of Mannheim),
- David Weiss (2013, Tel Aviv University),
- Luigi Bocola (2014, Northwestern University),
- Douglas Hanley (2014, University of Pittsburgh),
- Kurt Mitman (2014, IIES Stockholm),
- Can Tian (2014, Shanghai Univ. of Finance and Economics),
- Gloria Allione (2017, expected),
- Constanza Vergara (2017, expected),
- Kory Kantenga (2017, expected).



## Professional Service

Associate Editor:

*Macroeconomic Dynamics*, 2008 – present,  
*Journal of the European Economic Association*, 2010 – present.

Program Committee member:

2012 Society for Economic Dynamics meetings in Limassol, Cyprus,  
2011 Society for Economic Dynamics meetings in Gent, Belgium,  
2009 Society for Economic Dynamics meetings in Istanbul, Turkey,  
2008 Society for Economic Dynamics meetings in Cambridge, MA,  
2008 Midwest Macro meetings in Philadelphia, PA.

Co-organizer of the Philadelphia Workshop on Macroeconomics, 2015.

Co-organizer of the Money/Macro Workshop at the University of Pennsylvania, 2004-2015.

Co-organizer of Macro Jamboree Conference at the University of Pennsylvania, December 2011.

Referee for:

*American Economic Journal: Economic Policy*, *American Economic Journal: Macroeconomics*,  
*American Economic Review*, *B.E. Journals in Macroeconomics*, *Canadian Journal of Economics*,  
*Econometrica*, *Economic Journal*, *European Economic Review*, *International Economic Review*,  
*Journal of Applied Econometrics*, *Journal of Economic Theory*, *Journal of the European Economic Association*,  
*Journal of Human Capital*, *Journal of Labor Economics*, *Journal of Monetary Economics*,  
*Journal of Money, Credit, and Banking*, *Journal of Political Economy*, *Journal of Public Economics*,  
*Labour Economics*, *Quantitative Economics*, *Quarterly Journal of Economics*,  
*Review of Economic Dynamics*, *Review of Economic Studies*, *Review of Economics and Statistics*,  
*Scandinavian Journal of Economics*, *Southern Economic Journal*, *European Research Council*,  
*National Science Foundation*, *Swiss National Science Foundation*, *Blackwell Publishing*, *Oxford University Press*.

Member of Experts Panel advising the National Science Foundation (NSF) Human Resources Program of the Center for Science and Engineering Statistics, 2014.

Briefed members of

- Ways and Means Committee of the U.S. Congress,
- Joint Economic Committee of the U.S. Congress,
- Congressional Budget Office

on my research findings, December 2013.

## **Administrative Assignments at the University of Pennsylvania**

### University:

Member of the Senate Committee on the Economic Status of the Faculty (SCESF).

### School of Arts and Sciences:

Member of the strategic planning group on "Quantitative Exploration of Evolving Systems," or the use of quantitative tools, computation, and large data sets to address questions in the natural sciences, social sciences, and humanities.

Member of the strategic planning group on "Public Policy and Social Impact."

### Department of Economics:

Ph. D. Placement Committee (Co-chair), 2012-2016.

Graduate Executive Committee and Graduate Prizes Committee, 2012.

Junior Recruitment Committee (Co-chair), 2011.

Graduate Admissions Committee, 2004, 2006-2010.

Graduate Examination Committee, 2009-2010.

Honors Thesis Committee, 2007, 2008.