

Amil K. Petrin

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Positions

2015–present, University of Minnesota, Department of Economics, Professor.

2015–2018, University of Minnesota, Department of Economics, Director of Graduate Studies

2014–2018, National Center for State Courts, Consultant.

2013–present, National Bank of Belgium, Consultant.

2012–2018, Minnesota Economic Association, Board of Directors.

2009–2011, U.S. Census Advisory Committee.

2007–2014, University of Minnesota, Department of Economics, Associate Professor.

2007–present, National Bureau of Economic Research, Research Associate.

2006–present, Member of the Conference on Research in Income and Wealth.

2002–2007, University of Chicago, Graduate School of Business, Associate Professor of Economics and Statistics.

2001–2002, Northwestern University, Center for the Study of Industrial Organization, Visitor.

1998–2002, University of Chicago, Graduate School of Business, Assistant Professor of Economics and Statistics.

1994–1995, University of Michigan, Department of Economics, Adjunct Lecturer.

1990–1992, Federal Reserve Board of New York, Assistant Economist.

Education

August, 1998, Ph.D. in Economics, University of Michigan.

December, 1989, B.A. in Economics, *summa cum laude*, University of Pennsylvania.

Honors and Fellowships

National Science Foundation Research Grant, 2012-2016.

Griliches Fellow (NBER National Fellow), 2002–2003.

Centel Foundation/Robert P. Ruess Scholar, 1999–2000.

Alfred P. Sloan Doctoral Dissertation Fellowship, 1996–1997.

Rackham (U-M Graduate School) Predoctoral Fellowship, 1996–1997.

Regents (U-M Graduate School) Fellowship, 1992–1994.

Editorial Experience

Associate Editor, *Journal of Business and Economic Statistics*, 2019-

Associate Editor, *International Journal of Industrial Organization*, 2009-2012

Referee for: *American Economic Review*, *Econometrica*, *Economica*, *Economic Inquiry*, *Economic Letters*, *Economic Journal*, *Economic Theory*, *European Economic Review*, *Industrial Relations*, *International Economic Review*, *International Journal of Industrial Organization*, *Journal of Business*, *Journal of Business and Economic Statistics*, *Journal of Economics and Management Strategy*, *Journal of Economic Literature*, *Journal of Econometrics*, *Journal of the European Economic Association*, *Journal of Industrial Economics*, *Journal of International Economics*, *Journal of Law and Economics*, *Journal of Political Economy*, *Journal of Productivity*, *Marketing Science*, *National Science Foundation*, *Quantitative Marketing and Economics*, *Quarterly Review of Economics and Finance*, *RAND Journal of Economics*, *Review of Economics and Statistics*, *Review of Economic Studies*, *Review of Industrial Organization*, *Social Sciences and Humanities Canada*

Publications

"A Generalized Non-Parametric Instrumental Variable-Control Function Approach to Estimation in Nonlinear Settings," (with Kyoo-il Kim), *Journal of Econometric Methods*, Volume 11, Issue 1, January 2022, pp. 91-125.

"Control Function Corrections for Omitted Attributes in Differentiated Product Models," (with Kyoo-il Kim), accept with revisions, *Quantitative Marketing and Economics*

"Imputation in U.S. Manufacturing Data and Its Implications for Productivity Dispersion," (with Kirk White and Jerome Reiter), *Review of Economics and Statistics*, Volume 100, July 2018, pp. 502-509

"Estimating Production Functions with Control Functions when Capital is Measured with Error," (with Kyoo il Kim and Suyong Song), *Journal of Econometrics*, Volume 190, Issue 2, February 2016, pp. 267-279

“Tests for Price Endogeneity in Differentiated Product Models,” (with Kyoo il Kim), *Journal of Econometric Methods*, January 2015, pp. 47-70.

“Exploring Reallocation’s Apparent Negative Contribution to Growth,” (with Mitsukuni Nishida and Saso Polanec), *Journal of Productivity Analysis*, December, 2013, pp. 1-24.

“Estimating Lost Output from Allocative Inefficiency, with Application to Chile and Firing Costs,” (with Jagadeesh Sivadasan), *Review of Economics and Statistics*, March 2013, 95 (1), pp. 286-301.

“Measuring Aggregate Productivity Growth Using Plant-level Data,” (with James Levinsohn). *RAND Journal of Economics*, Winter, 2012, 43 (4), pp. 705-725.

“The Impact of Plant-level Resource Reallocations and Technical Progress on U.S. Macroeconomic Growth,” (with Kirk White and Jerome Reiter), *Review of Economic Dynamics*, January, 2011, 14 (1), pp. 3-26.

“A Control Function Approach to Endogeneity in Consumer Choice Models,” (with Kenneth Train), *Journal of Marketing Research*, February 2010, Vol. 47, No. 1, pp. 3-13.

“The Consumer Gains from Direct Broadcast Satellites and the Competition with Cable TV,” (with Austan Goolsbee), *Econometrica*, March, 2004, Vol. 72, No. 2, pp. 351-381.

“Estimating Production Functions Using Inputs to Control for Unobservables,” (with James Levinsohn), *Review of Economic Studies*, April 2003, Vol. 70(2), No. 243, pp. 317-342.

“Quantifying the Benefits of New Products: The Case of the Minivan,” *Journal of Political Economy*, 110:705-729, 2002.

“Structural Applications of the Discrete Choice Model,” (with Jean-Pierre Dube, Pradeep Chintagunta, Bart Bronnenberg, Ron Goettler, PB Seetharaman, K Sudhir, Raphael Thomadsen, Ying Zhao), *Marketing Letters*, August, 2002, Vol. 13, No. 3, pp 207-220.

“Production Function Estimation in Stata Using Inputs to Control for Unobservables,” (with James Levinsohn and Brian Poi), accompanies *levpet.do* stata procedure, *Stata Journal*, 2004, Vol. 4, No. 2, pp.113-123.

Working Papers

Emmanuel Dhyne, Amil Petrin, Valerie Smeets, and Frederic Warzynski, “Theory for Extending Single-Product Production to Multi Product Firms” January 2020.

Mons Chan, Amil Petrin, and Frederic Warzynski, “The Effect of Research and Development on Quality, Productivity, and Welfare,” March 2019.

Keaton Miller, Amil Petrin, Robert Town, and Michael Chernew, "Optimal Managed Care Subsidies," December 2021.

Keaton Miller and Amil Petrin, "Modeling the Costs and Benefits of Civil Court Case Resolution," December 2017.

Emmanuel Dhyne, Amil Petrin, Valerie Smeets, and Frederic Warzynski, "Multi Product Firms, Import Competition, and the Evolution of Firm-Product Technical Efficiencies," July 2017.

Amil Petrin and Boyoung Seo, "Identification and Estimation of Discrete Choice Demand Models when Observed and Unobserved Characteristics are Correlated," September 2016.

Fernando Ferreira, Amil Petrin, and Joel Waldfogel, "Preference Externalities and the Rise of China: Measuring their Impact on Consumers and Producers in the Global Film Market," October 2016.

Mitsukuni Nishida, Amil Petrin, T. Kirk White, "Are We Undercounting Reallocation's Contribution to Growth?" October 2013.

Amit Gandhi, Kyoo-il Kim, and Amil Petrin, "Identification and Estimation in Discrete Choice Demand Models when Endogenous Variables Interact with the Error," March 2011.

Invited Presentations

American Economic Association Meetings
Bates White Conference
Belgian National Bank
Boston College
Bureau of Labor Statistics
Bureau of Economic Analysis
CAED Conference
Carnegie Mellon University
CIREQ Labor Economics Workshop
Columbia University
Cornell University
Cowles Conference
CEPR Conference on Applied Industrial Organization
Dartmouth College
Department of Justice
Duke University
Econometrics of Demand Conference
Econometric Society World Congress
Einaudi Institute for Economics and Finance
European Econometric Association
Federal Reserve Bank of Atlanta
Federal Reserve Bank of Minneapolis

Federal Reserve Bank of New York
Federal Reserve Bank of Philadelphia
Federal Reserve Board
Federal Trade Commission
Florida State University
Fourth Judicial District Court of Minnesota
George Washington University
Handbook of Econometrics, Volume 6 Conference
Harvard University
HEC Montreal
Indiana University
Inter-American Development Bank
International Industrial Organization Conference
Iowa State University
Johns Hopkins University
Katholieke Universiteit Leuven
London School of Economics
Mannheim University
Massachusetts Institute of Technology
Michigan State University
Midwest Econometrics Group Meeting
Minnesota Workshop in Macroeconomic Theory
Montana State University
National Bank of Belgium
National Cable Television Association Convention
National Center for State Courts
NBER Conference on Research in Income and Wealth
NBER Econometrics of Price and Product Competition
NBER Industrial Organization Meeting
NBER Productivity Meeting
New York University
North American Productivity Workshop
Northeastern University
Northwestern University
Oakland University
Pennsylvania State University
Princeton University
Purdue University
Research Institute for Industrial Economics
Rice University
SITE Conference
Society for Economic Dynamics Conference
Stanford University
Statistics Canada
Syracuse University
Texas A&M University
Tinbergen Institute
Tufts University
University of Aarhus

University of British Columbia
University of California Berkeley
University of California Los Angeles
University of California San Diego
University of Cambridge
University of Chicago
University of Groningen
University of Illinois (Urbana Champaign)
University of Iowa
University of Maryland
University of Michigan
University of Minnesota
University of Notre Dame
University of Pennsylvania
University of Rochester
University of Southern California
University of Toronto
University of Virginia
University of Washington
University of Western Ontario
University of Wisconsin
Washington University
Wesleyan University
World Bank
Yale University
ZEW Conference on Information and Communication Technologies