

Curriculum Vitae

December 2018

Patrick L. Bajari

Contact Information

Patrick Bajari
Department of Economics, University of Washington

Date of Birth: July 28, 1969
U.S. Citizen

Education

Ph.D. Economics	University of Minnesota, 1997
B.S. Economics and Mathematics	University of Minnesota, 1992

Advisors: John Geweke and Andrew McLennan
Thesis: The First Price Auction with Asymmetric Bidders: Theory and Applications

Present Position

Professor of Economics
University of Washington

Vice President Core AI and Chief Economist
Amazon.com
Seattle, WA

Previous Positions

Professor of Economics
University of Minnesota
June 2006-May 2012

Professor of Economics
University of Michigan
June 2005-June 2006

Associate Professor of Economics (with tenure)
Duke University
July 2003-June 2005

Assistant Professor of Economics
Stanford University
1998-2003

Other Positions

NBER Research Associate (Industrial Organization), September 2006-January 2019

Visitor, Federal Reserve Bank of Minneapolis, June 2006-2010

Visiting Scholar, United States Federal Trade Commission, January-February 2009

Visiting Scholar, Helsinki Center of Economic Research, May 2008

NBER Faculty Research Fellow (Industrial Organization), June 2001-September 2006

Editorial Positions

Associate Editor, *Quantitative Marketing and Economics* (July 2007-January 2012)

Managing Editor, *International Journal of Industrial Organization* (January 2005-January 2011)

Associate Editor, *Journal of Business and Economics Statistics* (January 2005-January 2011)

Patents

2017. New Removal Framework (Topology-OIH-Markdown). U.S. Patent 9,818,082, filed January 28, 2016 and issued November 14, 2017.

2017. Predicting Bestselling Content. U.S. Patent 9,639,848, filed September 16, 2013 and issued May 2, 2017.

2014. Outlier Adjustment Method for eCommerce Data U.S. Patent 8,732,528, filed January 6, 2012 and issued May 20, 2014.

Published Papers

1. A Comment on Allenby, Chen and Yang, *Quantitative Marketing and Economics*, 1(2), 277-283 (2003).
2. A Dynamic Structural Model of Housing Demand: Estimation and Policy Implications (with Dirk Krueger, Phoebe Chan, and Dan Miller), *International Economic Review*, 54(2), 409-442 (lead article), (2013).

3. A Letter from the Editors (with Bernard Caillaud and Neil Gandal), *International Journal of Industrial Organization*, 28(3), 203-204 (2010).
4. A Note on Semiparametric Estimation of Finite Mixtures of Discrete Choice Models (with Jinyong Han, Han Hong and Geert Ridder), *International Economic Review*, 52, 807-824 (2011).
5. A Simple Estimator for the Distribution of Random Coefficients (with Patrick Bajari, Jeremy Fox, and Stephen Ryan), *Quantitative Economics*, 2, 381-418 (2011).
6. A Simple Nonparametric Estimator for the Distribution of Random Coefficients in Discrete Choice Models (with Jeremy Fox, Kyoo il Kim, and Stephen Ryan), *QBE-Quantitative Marketing and Economics*, 7(1), 95-99 (2009).
7. A Theory-Based Approach to Hedonic Price Regressions with Time-Varying Unobserved Product Attributes: The Price of Pollution (with Jane Cooley, Kyoo il Kim, and Christopher Timmins), *American Economic Review*, 102(5), 1898-2926 (2012).
8. Are Structural Estimates of Auction Models Reasonable? Evidence from Experimental Data (with Ali Hortacsu), *Journal of Political Economy* 113(4), 703-741 (2005).
9. Auction Design and Tact Collusion in FCC Spectrum Auctions (with Jungwon Yeo), *Information Economics and Policy*, 21(2), 90-100 (2009).
10. Auctions (Applications). *The New Palgrave Dictionary of Economics*. Second Edition. Eds. Steven N. Durlauf and Lawrence E. Blume. Palgrave Macmillan, (2008).
11. Auctions versus Negotiations in Procurement: An Empirical Analysis (with Steve Tadelis and Rob McMillan), *Journal of Law, Economics and Organization*, 25(2), 372-399 (2009).
12. Bidding for Incomplete Contracts: An Empirical Analysis of Adaptation Costs (with Stephanie Houghton and Steve Tadelis), *American Economic Review*, 104(4), 1288-1319 (2014).
13. Comparing Competition and Collusion: A Numerical Approach, *Economic Theory*, 18, 187-205 (2001).
14. Cyberspace Auctions and Pricing Issues: A Review of Empirical Findings (with Ali Hortacsu), Chapter 7, *New Economy Handbook*, edited by Derek C. Jones (2003).
15. Deciding Between Competition and Collusion (with Lixin Ye), *Review of Economics and Statistics*, 85(4), 971-989 (2003).

16. Demand Estimation with Heterogeneous Consumers and Unobserved Product Characteristics: A Hedonic Approach (with Lanier Benkard), *Journal of Political Economy*, 113(6), 1239-1276 (2005).
17. Detecting Collusion in Procurement Auctions (with Garrett Summers), *Antitrust Law Journal*, 70(1), 143-170 (2002).
18. Discrete Choice Models with Strategic Interactions (with Victor Aguirregabiria, Michaela Draganska, Liran Einav, Paul Ellickson, Dan Horsky, Sanjog Misra, Sridhar Narayanan, Yesim Orhun, Peter Reiss, Katja Seim, Vishal Singh, Raphael Thomadsen, Ting Zhu), *Marketing Letters*, 19(3-4), 399-416 (2008).
19. Discussion of “The Identification Power of Equilibrium in Games”, *Journal of Business and Economic Statistics*, 26(3), 289-292 (2008).
20. Econometrics for Game Theory, (with Han Hong and Denis Nekipelov), *Advances in Economics and Econometrics: Theory and Applications, Tenth World Congress (Econometric Society Monographs)*, (May 2013).
21. Econometrics of Sealed-Bid Auctions, *1998 Proceedings of the Business and Economic Statistical Association*, 41-49 (1998).
22. Economic Insights from Internet Auctions (with Ali Hortacsu), *Journal of Economic Literature*, 42(2), 457-486 (2004).
23. Estimating Dynamic Models of Imperfect Competition (with Lanier Benkard and Jon Levin), *Econometrica*, 75(5), 1331-1370 (2007).
24. Estimating Hedonic Models of Consumer Demand with an Application to Urban Sprawl (with Matt Kahn). Hedonic Methods in Housing Markets: *Pricing Environmental Amenities and Segregation*. Ed. Baranzini, Ramirez, Schaerer, and Thalmann. New York: Springer 129-155 (2008).
25. Estimating Housing Demand with an Application to Explaining Racial Segregation in Cities (with Matt Kahn), *Journal of Business and Economic Statistics*, 23(1), 20-33 (2005).
26. Estimating Price Sensitivity of Economic Agents Using Discontinuity in Nonlinear Contracts, with Han Hong, Minjung Park, and Robert Town, *Quantitative Economics*, (2017).
27. Estimating Static Models of Strategic Interactions (with Han Hong, John Krainer and Denis Nekipelov), *Journal of Business and Economic Statistics*, 28(4) 469-482 (2012).

28. Evaluating Wireless Carrier Consolidation Using Semiparametric Demand Estimation (with Jeremy Fox and Stephen Ryan), *Quantitative Marketing and Economics* (lead article), 6(4), 299-338 (2008).
29. Hedonic Price Indexes with Unobserved Product Characteristics (with Lanier Benkard), *Journal of Business and Economic Statistics*, 23(1), 61-75 (2005).
30. Home Prices and Consumer Welfare (with Lanier Benkard and John Krainer), *Journal of Urban Economics*, 58, 474-487 (2005).
31. Identification and Estimation of a Discrete Game of Complete Information (with Han Hong and Stephen Ryan), *Econometrica*, 78(5), 1529-68 (2010).
32. Identification and Semiparametric Estimation of a Finite Horizon Dynamic Discrete Choice Model with a Terminating Action, with Denis Nekipelov, Minjung Park, and Chenghuan Sean Chu, submitted to *Quantitative Marketing and Economics*, (2016).
33. Incentives and Adaptation: Evidence from Highway Procurement in Minnesota (with Greg Lewis), *The Review of Economic Studies*, (2011).
34. Incentives and the Choice of Award Mechanisms: Auctions vs. Negotiations (with Steve Tadelis) Edited by Nicola Dimitri, Gustavo Piga and Giancarlo Spagnolo, *Handbook of Procurement*, 121-140 (2006).
35. Incentives versus Transaction Costs: A Theory of Procurement Contracts (with Steve Tadelis), *Rand Journal of Economics*, 32(3), 287-307 (lead article, 2001).
36. Introduction to Symposium on Online Auctions (with Christopher Adams), *International Journal of Industrial Organization*, 25(6), 1159-1162 (2007).
37. Linear Regression Estimation of Discrete Choice Models with Nonparametric Distributions of Random Coefficients (with Jeremy Fox and Stephen Ryan), *American Economic Review*, 97(2), 459-463 (2007).
38. Measuring the Efficiency of an FCC Spectrum Auction (with Jeremy Fox), *American Economic Journal: Microeconomics*, 5(1), 100-146 (2013).
39. Microeconometrics: Methods and Applications (with Thomas Youle), *Econometric Reviews*, 31(1), 107-117 (2012).
40. Moral Hazard, Adverse Selection and Health Expenditures: A Semiparametric Analysis (with Han Hong, Ahmed Khwaja, and Christina Marsh), *RAND Journal of Economics*, 45(4), 747-763 (2014).
41. Moral Hazard, Incentive Contracts, and Risk: Evidence from Procurement (with Gregory Lewis), *Review of Economic Studies*, 81(3), 1201-1228 (2014).

42. Procurement Contracting with Time Incentives: Theory and Evidence (with Greg Lewis), *Quarterly Journal of Economics*, 126(3), (2011).
43. The “The Paul Geroski Best Article” Prize 2006 (with Bernard Caillaud and Neil Gandal), *International Journal of Industrial Organization*, 25(6), (2007).
44. The Random Coefficients Logit Model Is Identified, (with Kyoo il Kim, Jeremy Fox and Stephen Ryan), *Journal of Econometrics*, 166(2), 204-212 (2012).
45. The Winner’s Curse, Reserve Prices and Endogenous Entry: Empirical Insights from eBay Auctions (with Ali Hortacsu), *Rand Journal of Economics*, 3(2), 329-355 (2003).
46. Theory-Driven Choice Models (with Tülin Erdem, Kannan Srinivasan, Wilfred Amaldoss, Hai Che, Teck Ho, Wes Hutchinson, Michael Katz, Michael Keane, Bob Meyer, and Peter Reiss), *Marketing Letters*, 16(3-4), 225-237 (2005).

Other Papers

1. A Machine Learned Quality-Adjusted Price Index, (with Victor Chernozhukov, Bernhard Schoelkopf, Ashish Mishra and George Monokroussos), in progress.
2. Demand Estimation with Machine Learning and Model Combination, with Denis Nekipelov, Stephen Ryan, and Miaoyu Yang. NBER Working Paper w20955, (2015).
3. Improving Policy Functions in High-Dimensional Dynamic Games with Carlos A. Manzanares and Ying Jian. NBER Working Paper w21124, (2015).
4. The Econometrics of Games (with Han Hong), solicited by *The Handbook of Econometrics*, in progress.
5. The Impact of Big Data on Firm Performance: An Empirical Investigation (with Victor Chernozhukov, Ali Hortacsu and Junichi Suzuki).

Other Publications

1. Enhancing Compliance Programs through Antitrust Screening (with Rosa Abrantes-Metz and Joseph M. Murphy), *The Antitrust Counselor*, Volume 4.5, 4-9 (2010).
2. Screens for Conspiracies and their Multiple Applications (with Rosa Abrantes-Metz), *Antitrust Magazine*, American Bar Association, (2011).
3. Speeding Road Constructions: Efficient Contract Design Can Lead to Faster Repairs, Fewer Delays, and Lower Commuter Costs (with Greg Lewis), *CURA Reporter*, 39(1-2), 32-38 (2009).

Referee Experience

Referee for *American Economic Review*, *Econometrica*, *Quarterly Journal of Economics*, *Journal of Political Economy*, *Journal of the American Statistical Association*, *Review of Economics and Statistics*, *Journal of Business and Economic Statistics*, *Journal of Econometrics*, *Journal of Applied Econometrics*, *International Economic Review*, *Review of Economic Studies*, *European Economic Review*, *RAND Journal of Economics*, *International Journal of Industrial Organization*, *Journal of Industrial Economics*, *Journal of Economic Theory*, *Games and Economic Behavior*, *Economic Theory*, *Journal of Law, Economics and Organization*, *Journal of Financial Intermediation*, *Journal of Marketing*, *Canadian Journal of Economics*, *Southern Economic Journal*, *Economics Letters*, *Economica*, *Journal of European Economic Association*, *Journal of Policy Analysis and Management*, *National Science Foundation*.

Recent Teaching

- University of Washington, Winter 2018, Econ 534A, Empirical Industrial Organization
- University of Washington, Spring 2017, Econ 596A, Research Issues in Microeconomics
- University of Washington, Winter 2017, Econ 534A, Empirical Industrial Organization
- University of Washington, Winter 2016, Econ 596A, Research Issues in Microeconomics
- University of Washington, Autumn 2015, Econ 534A, Empirical Industrial Organization
- University of Washington, Winter 2015, Econ 596A, Research Issues in Microeconomics
- University of Washington Autumn 2014, Econ 534A, Empirical Industrial Organization
- University of Washington, Winter 2014, Econ 596A, Research Issues in Microeconomics
- University of Minnesota, Spring 2010, Econ 4631, Undergraduate Industrial Organization, 5.57 for preparedness and 5.27 for clarity (on a 6 point scale).
- University of Minnesota, Spring 2010, Econ 8208, Graduate Econometrics, 5.85 for preparedness and 5.62 for clarity (on a 6 point scale).
- University of Minnesota, Spring 2010, Econ 8692, Workshop in Applied Microeconomics, 5.90 for preparedness and 5.80 for clarity (on a 6 point scale).
- University of Minnesota, Spring 2010, Econ 8603, Graduate Industrial Organization, 5.67 for preparedness and 5.83 for clarity (on a 6 point scale).
- University of Minnesota, Spring 2009, Econ 8692 Workshop in Applied Microeconomics, 5.13 for preparedness and 5.25 for clarity (on a 6 point scale).
- University of Minnesota, Spring 2009, Econ 8681, Graduate Industrial Organization, 5.75 for preparedness and 5.63 for clarity (on a 6 point scale).

- University of Minnesota, Spring 2009, Econ 8212, Graduate Econometrics, 5.80 for preparedness and 5.80 for clarity (on a 6 point scale).
- University of Minnesota, Spring 2009, Econ 8208, Graduate Econometrics, 5.63 for preparedness and 5.50 for clarity (on a 6 point scale).
- University of Minnesota, Spring 2008, Econ 8207, Graduate Econometrics, Evaluation for Instruction, 6.60 (where 7 is exceptional).
- University of Minnesota, Spring 2008, Econ 8682, Advanced Topics in Industrial Organization,
- University of Minnesota, Spring 2008, Econ 8603, Graduate Industrial Organization,
- University of Minnesota, Spring 2008, Econ 8692 Workshop in Applied Microeconomics,
- University of Minnesota, Autumn 2007, Econ 8691, Workshop in Applied Microeconomics
- University of Minnesota, Spring 2007, Econ 8602, Graduate Industrial Organization, Evaluation for instruction, 6.9 (where 7 is exceptional).
- University of Minnesota, Spring 2007, Econ 8692, Industrial Organization Reading Group, Evaluation for instruction, 7 (where 7 is exceptional).
- University of Minnesota, Autumn 2006, Econ 8206, Graduate Econometrics, Evaluation for instruction, 6.5 (where 7 is exceptional).
- University of Minnesota, Autumn 2006, Econ 8691, Workshop in Applied Microeconomics
- University of Michigan, Spring 2006, Undergraduate Antitrust. Evaluations: 3.82 for teaching and 3.72 for course (on a 5 point scale).
- University of Michigan, Spring 2006, Graduate Industrial Organization: 4.0 for teaching and 4.67 for course (on a 5 point scale).
- Duke University, Spring 2005, Undergraduate Strategic Interaction. Evaluations: 4.55 for instruction and 4.67 for course (where 5 is excellent and 4 is very good).
- Duke University, Spring 2005, Graduate Empirical Microeconomics. Evaluations: 4.88 for instruction and 4.78 for course (where 5 is exceptional and 4 is very good).
- Duke University, Autumn 2004, Graduate Microeconomic Theory (first half). Evaluations: 3.92 for instruction and 4.03 for course (where 5 is excellent and 4 is very good).
- Duke University, Spring 2004, Graduate Empirical Microeconomics. Evaluations: 4.62 for instruction and 4.71 for course (where 5 is excellent and 4 is very good).
- Stanford University, Autumn 2001, Undergraduate Industrial Organization. Evaluations: 4.1 for instruction and 4.1 for course (where 5 is excellent and 4 is very good).
- Stanford University, Autumn 2001, Graduate Industrial Organization. Evaluations: 4.3 for instruction and 4.3 for course (where 5 is excellent and 4 is very good).

Invited and Conference Presentations 2018

NBEIC, Stanford Institute for Economic Policy Research, US Census and Federal Reserve, NBER Economics of Digitization, Leigh Lecture (Washington State University), NABE – Bank of Spain International Symposium, Bruegel, College of Europe Alumni, AWS Public Sector Summit (Brussels), NBEIC (New York City), FESAC Spring Meeting, NBER Summer Institute,

Federal Reserve Bank of Kansas, NABE Board of directors and Annual Meeting, Harvard Business School Field Experiments Seminar, 2nd Annual NABE Tech Economics Conference, Bureau of Economic Analysis (BEA), NABE Board of Directors Meeting, Board of Governors (Washington D.C.), FESAC Autumn Meeting

Invited and Conference Presentations in 2010

CPAP Conference (Penn State), Cowles Conference in Microeconometrics (Yale), Econometric Society World Congress (Shanghai, China), I.O. and Labor Economics Joint Seminar (U.C. Berkeley), First Economist Day by eBay Research Labs (San Jose eBay Whitman campus)

Invited and Conference Presentations in 2009

Bates White Antitrust Conference, CEPR Industrial Organization Meetings, Charles River and Associates, Conference on Demand Estimation at Brown University, Consip (Rome), Federal Reserve Board of Governors, Federal Reserve Bank of Minneapolis, LECGC Breakfast Antitrust Roundtable, LECG Antitrust Summit (Providence, Rhode Island), National Bureau of Economic Research IO Winter Meetings, New York University, Yale University

Invited and Conference Presentations in 2008

Caltech Conference on Matching, CEMFI (Madrid), Dutch Competition Authority, EARIE, HECER (Helsinki), International Industrial Organization Conference, Harvard/MIT Industrial Organization Workshop, London School of Economics, Quantitative Marketing and Economics Conference, Northwestern University Antitrust Conference, Portuguese Competition Authority, Penn State Auctions Conference, Penn State University, Princeton, Tinbergen, Vanderbilt, University of Virginia

Invited and Conference Presentations in 2007

American Economic Association Winter Meetings, Bates White Antitrust Conference, Carnegie Mellon, Choice Symposium, Cowles Conference (Yale University), Econometric Society North American Summer Meetings (plenary speaker), Federal Reserve Bank of Cleveland, IIOC Conference Joint Statistical Association Meeting, International Workshop on the Hedonic Model in Real Estate and Housing, Models of Industry Dynamics in Empirical IO (University of Toronto), Purdue University, Rutgers, Queens University, SUNY Stony Brook, Warwick

Invited and Conference Presentations in 2006

Bates White, Bates White Antitrust Conference, Columbia University/NYU Joint Industrial Organization Seminar, Econometric Society Summer Meetings, Michigan State University, MIT Marketing Conference, NBER Industrial Organization Winter Meetings, NBER Industrial Organization Summer Meetings, North American Winter Meetings of the Econometric Society (Boston), Quantitative Marketing and Economics Conference, University of British Columbia, University of Toronto, Vanderbilt University

Invited and Conference Presentations in 2005

Auction Conference (Montreal), CEPR Empirical Industrial Organization Meetings, Cornell University, Econometrics and experimental Economics Conference (Princeton), Econometric Society World Congress (London), Georgia Tech, Harvard-MIT Industrial Organization

Seminar, Industrial Organization Workshop Beijing, INFORMS, International Conference on Computing in Economics and Finance (Washington D.C.) International Industrial Organization Conference, Kiel-Munich Workshop on the Economics of Information and Network Industries, Tsinghua University (Beijing, 2005 Summer Workshop on Industrial Organization and Management Strategy), University of Chicago GSB, University of Maryland, University of Pennsylvania, Yale University

Invited and Conference Presentations in 2004

Auctions and Market Design: Theory, Evidence, and Applications, FEEM and Consip S.p.A., CRES Industrial Organization Conference at Washington University of St. Louis, Federal Trade Commission, Honor Hoyt Institute Conference on Housing Policy, Indiana University, International Industrial Organization Conference, North Carolina State University, Northwestern Kellogg Management and Strategy Seminar, Numerically Intensive Economic Policy Analysis Conference – Queens University, Oklahoma State University, Society for Economic Dynamics, Southern Economic Association, The 6th CU-Boulder Invitational Choice Symposium, University of Chicago, University of Illinois, Urbana-Champaign, University of Michigan

Invited and Conference Presentations in 2003

2003 Kiel Workshop on the Economics of Information and Network Industries, 2003 Public Economic Theory Meetings, Duke University, Ohio State University, Penn State University, Quantitative Marketing and Economics Conference, Stanford Institution for Theoretical Economics, U.S. Department of Justice, Antitrust Division, University of California-Berkeley, Real Estate Group, University of Colorado, University of Maryland, University of Minnesota

Invited Presentations (1998-2002)

1998 INFORMS Autumn Meetings, 2000 Econometric Society Winter Meetings, 2000 Midwest Econometrics Group Meeting, 2000 NBER Industrial Organization Winter Meetings, 2000 NBER Real Estate and Finance Meetings, 2000 Tow Conference, University of Iowa, 2000 World Congress of the Econometric Society, 2001 Core-Ecares-Lea Workshop on Auctions, 2002 NBER Summer Institute, 2002 Society of Economic Dynamics Meetings, 2002 University of Chicago ERC Conference, Boston University, Bureau of economic Analysis, Bureau of Labor Statistics, Caltech, Columbia Business School, Federal Trade Commission, Florida State University, Harvard, MIT, New York University, Northwestern, Northwestern MEDS, Oxford University, Princeton, Stanford, Stanford GSB, Stanford Institute for Theoretical Economics (1998-2003), Tel Aviv University, University of British Columbia, University of California Berkeley, University of California Los Angeles, University of Chicago, University of Chicago GSB, University of Illinois Urbana-Champaign, University of Iowa, University of Michigan, University of Minnesota, University of Pennsylvania, University of Pittsburg, University of Southern California, University of Toronto, University of Virginia, University of Wisconsin, Yale University

Honors and Awards

2018	NBEIC Member
2018	National Association for Business Economics, Board of Directors

- 2018 Willard Manning Award for best published health economics research in econometric methodology or econometric application
- 2017 FESAC Member
- 2017 Best paper award, Quantitative Marketing and Economics
- 2016 Alumni of Notable Achievement, University of Minnesota
- 2015 “Honorable Mention” for the 2015 Arrow Award, paper selected: Moral Hazard, Adverse Selection, and Health Expenditures: A Semiparametric Analysis, *RAND Journal of Economics*, 45(4), 747-763 (2014)
- 2015 Fellow of Econometric Society
- 2015 Carlson School of Management Information and Decision Sciences Department, Founding Member and Advisory Board
- 2009 Center of Economic Policy Research, Industrial Organization Meetings, Keynote Speaker
- 2009 Excellence in Referring ward, American Economic Review
- 2008 EARIE Keynote Speaker, Toulouse, France
- 2008 Fraternity Advisor of the Year Award, University of Minnesota
- 2008 Federal Trade Commission Microeconomics Conference, Keynote Speaker
- 2007 Plenary Speaker, North American Summer Econometric Society Meetings, Duke University
- 2007 Levenhume Lecture in Industrial Organization University of Warwick
- 2000-2001 Hoover National Fellow
- 1998 Zellner Award for best thesis in econometrics, American Statistical Association
- 1997 Review of Economic Studies Tour Participant

Research Grants

National Science Foundation, “Market Design in Procurement: The Case of Highways” (with Greg Lewis), 2009-2011. Award amount \$209,160.

National Science Foundation, “Empirical Analysis of Static and Dynamic Strategic Interactions” (collaborative proposal with Han Hong), 2007-2010. Award amount \$204,725.

Grant in Aid Program, University of Minnesota, “Impact of Medicare’s Local Medical Review Policies and National Coverage Policies on Utilization of Services” (with Bob Town), 2008-2009. Award amount \$27,957.

Center for Urban and Regional Affairs, Humphrey Institute, University of Minnesota, “Competitive Bidding for Highway Contracts in Minnesota”, 2007-2008. Award amount \$62,404.

Grant in Aid Program, University of Minnesota, “Interdisciplinary Perspectives on Procurement Systems”, (with Diwakar Gupta), 2007-2008. Award amount \$24,643.

National Science Foundation, “Dynamic General Equilibrium Models of Community Formation: Theory and Empirical Analysis”, (with Dirk Krueger), 2004-2007. Award amount \$287,000.

National Science Foundation and Bureau of Economic Analysis Grant, “Discrete Choice and Hedonics: Identification, Estimation and Applications to Housing and New Goods”, (with Lanier Benkard), 2001-2003. Award amount \$220,000.

Stanford Institute for Economic Policy Research Seed Grant, “Procurement Contracting”, (with Steve Tadelis), July 2000. Award amount \$20,000.

National Science Foundation Grant, “Topics in Contractual Arrangements and Procurement”, May 2000. Award amount \$20,000.

Conferences Organized

- 2010 8th Annual International Industrial Organization Conference Program Committee
- 2010 Econometric Society World Congress (Shanghai, China) Program Committee
- 2009 International Industrial Organization Conference Program Committee
- 2008 Federal Trade Commission Industrial Organization Conference, Scientific Committee
- 2008 International Industrial Organization Conference Program Committee
- 2008 Game Theory In Stony Brook, Conference Co-organizer
- 2007 Minnesota Applied Microeconomics Conference, Co-organizer
- 2007 International Industrial Organization Conference Program Committee
- 2007 Choice Symposium Session Organizer
- 2007 American Economic Association, Winter Meetings, Program Committee
- 2006 International Industrial Organization Conference, Session Organizer
- 2005 Winter NBER Industrial Organization Conference (Co-organizer with Ali Hortacsu)
- 2003 Society for Economic Dynamics, SED Session Organizer
- 2002 Society for Economic Dynamics, SED Session Organizer

Departmental and Professional Service

Thesis advisor (with first placement in parenthesis):

- Jenny Ho (Department of Justice, Antitrust Division, 2017)
- Ming He (University of Technology Sydney, 2016)
- Ying (Vivian) Jiang (Facebook, 2016)
- Carlos “Charlie” Manzanares (Amazon.com, 2015)
- Konstantin Golyaev (Amazon, 2013)
- Andrew Clayton (Amazon.com, 2012)
- Lydia Cheung (Temple University, 2012)
- Maryam Saeedi (Ohio State, 2012)
- Miaoyu Yang (Amazon.com, 2012)
- Andrea Szabo (University of Houston, 2010)
- Christina Marsh (University of Georgia, 2010)
- Connan Snider (UCLA, 2009)
- Daniel Miller (Clemson, 2009)
- Jia Yuan (University of Macau, 2009)

Jung Won Yeo (Singapore Management University, 2009)
Tin Cheuk “Tommy” Leung (Chinese University of Hong Kong, 2009)
Denis Nekipelov (Berkeley, 2008)
Junichi Suzuki (University of Toronto, 2008)
Charles Taragin (Department of Justice, 2007)
Greg Lewis (Harvard, 2007)
Zhou Yang (Virginia Tech, 2007)
Jane Cooley (Wisconsin, 2006)
Stephen Ryan (MIT Economics, 2005)
Pai-Ling Yin (Harvard Business School, 2003)
Ali Hortacsu (University of Chicago, 2001)

Thesis committee member for (with first placement in parenthesis):

Thomas Youle (Dartmouth College, 2014)
Hyunchul Kim (Sungkyunkwan University, 2013)
Hakan Inal (Virginia Commonwealth University, 2008)
Bentley Coffey (Clemson, 2004)
Jeremy Fox (University of Chicago, 2003)
Leonardo Rezende (University of Illinois, Champaign-Urbana, 2003)
Johannes Van Biesebroeck (University of Toronto, 2001)
Jun Ishii (U.C. Irvine, 2001)
Lixin Ye (Ohio State, 2001)
Marshall Yan (Cornerstone Research, 2001)
Chanel O’Neil (Cornerstone Research, 2000)
Martin Schneider (University of Rochester, 2000)
Victor Chernozhukov (Massachusetts Institute of Technology, 2000)

Current Students

Agraj Gupta
Chi-Hui Yen
Hee Jung (Kathy) Jung
Jeff Tucker
Junwei Mao
Nahyeon Bak
Wenhua (Stephanie) Liu

Recruiting Committee, University of Washington (2015-2017)

9th Annual International Industrial Organization Conference (IIOC) (2011)
Chair, Scientific Committee, European Association for Research in Industrial Economics (EARIE) (2011)

Member, Minnesota Senior Search Committee (2010)
Chair, Economics Department Doctoral Dissertation Fellowship Selection Committee (2010)

Annual Performance Review for Chair of Department (Larry Jones) (2010)
Member, CLA Undergraduate Advisory Committee (2009-2010)
Committee Member, Distinguished Fellow of the Industrial Organization Society (2010)

Awards Committee, Minnesota Greeks Awards Ceremony (2009)
Awards Committee, Proposal for Paper Competition, Economics Student Organization (2009)
Member Faculty Advisory Board for the United Health Group Actuarial Scholarship Program (2010)

Chair, Minnesota Junior Recruiting Committee (2007-2008)
Member, Minnesota Senior Recruiting Committee (2007-2008)
Economics in Action Lecture (2007)
Member, College of Liberal Arts Promotion and Tenure Committee (2007-2010)
Chair, College of Liberal Arts Promotion and Tenure Committee, Assistant to Associate (2009-2010)
College of Liberal Arts Assembly (2008-2010)
Panel Moderator, Rising Stars in Industrial Organization, IIOC Conference (2008)
External Tenure Committee Member for Promotion in Carlson School of Management (2008)
CLA Quantitative Methods Initiative Committee Member (2008)
Economics Department, Junior Recruiting Chair (2008)
Executive Committee Member, Department of Economics (2008-2010)

Convocation (Autumn 2007)
Academic Advisor to Sigma Nu Fraternity (January 2007-2010)
Minnesota Junior Recruiting Committee (2007)
Zellner Award Committee, Journal of Business and Economic Statistics (2007)
Session co-organizer, 2007 Choice Conference

Faculty Secretary, University of Minnesota (2006-2007)
Convocation (Autumn 2006)
Commencement (Autumn 2006)
CLA Computational Initiative Committee Member (Autumn 2006)

Co-organized Applied Micro Seminar, University of Minnesota
Organized Applied Micro Reading Group, University of Minnesota

Zellner Award Committee, Journal of Business and Economic Statistics (2005)
Organizer: Industrial Organization Workshop, Duke University
Organizer: Applied Microeconometrics Lunch, Duke University

Co-organized Applications and Industrial Organization Seminars at Stanford University

Harvard Admissions Committee Member (1998)
Stanford Admissions Committee Member (1999, 2000, and 2002)

Interviews and Public Engagement (topic and date in parenthesis)

KARE 11 Television (Unemployment Rate, February 2010), Business Spectator (Rising House Prices, October 2009), U.S. General Accounting Office (Competition in Wireless Industry, September 2009), Smart Money (Online Auctions, September 2009), VOX EU (Mortgage Foreclosures, February 2008), Miami Herald (Mortgage Foreclosures, February 2008), Financial Week (Mortgage Foreclosures, February 2008), Austin Daily Herald (Minnesota Economy, April 2008), Business Week (Spectrum Auctions, January 2008), University of Minnesota (Public Lecture to Economics Undergraduates, November 2007), Sigma Nu Fraternity (Applying to Graduate School, September 2007), University of Minnesota, Richfield Minnesota High School (Speak to High School Economics Students), National Public Radio, Marketplace (Investment Banking Research, September 2007), Dow Jones News Wires (Cross Border Trade on eBay, June 2005), CNN (Housing Price Inflation, January 2005), Dow Jones News Wires (Conflicts of Interest in Investment Banking Research, August 2004), The Tennessean (Bid-rigging in Highway Auctions, August 2004), Financial Times, European Edition (Bidding on Google IPO, August 2004), Clear Channel Radio Stations (Conflicts of Interest in Investment Banking Research, May 2004), Kiplinger's Online Edition (Conflicts of Interest in Investment Banking Research, May 2004), Miami Herald (Bidding on eBay, February 2004), Indiana Constructor (Competitive Bidding System, September 2003), Dow Jones Capital Market Reports (Increasing Home Prices, July 2003), New York Times (Last Minute Bidding on eBay, November 2000)

Consulting Experience

Boston Consulting Group, Consultant to pricing practice. Assist with data analysis, demand estimation, economic analysis and design of optimal pricing. Summer 2000-2010

Law and Economics Consulting Group, Academic Affiliate, March 2009-2010

Bates White, Damage expert for antitrust case, March-August 2008

Cornerstone Research, Expert witness for litigation case related to zoning and the application of hedonic regressions, August 2007

Sonnenschein Nash and Rosenthal LLP, Expert witness for litigation case, January-April 2006

Federal Reserve Bank of San Francisco, Consultant to research department, 1999-2001

Stanford University Housing Office, Analysis of housing demand and proposed housing project, Autumn 2001