

Department of Economics
Harvard University
Cambridge, MA 02138
(617) 496-1939
Fax: (617) 495-8570
athey@fas.harvard.edu
<http://kuznets.fas.harvard.edu/~athey/index.html>

PERSONAL

Born November, 1970.
U.S. Citizen.

EDUCATION **Duke University**

Bachelor of Arts, 1991.
Majors in economics, mathematics, and computer science.
Magna Cum Laude. Phi Beta Kappa.

Stanford Graduate School of Business

Ph.D., 1995
Dissertation: "Comparative Statics in Stochastic Problems with Applications."
Advisors: Paul Milgrom and John Roberts (co-chairs), Edward Lazear.

CURRENT POSITIONS

Harvard University
2006-present Professor of Economics

National Bureau of Economic Research
2001-present Research Associate

PAST POSITIONS

Center for Advanced Study in the Behavioral Sciences
2004-2005 Fellow

Department of Economics, Stanford University
2001-2004 Associate Professor of Economics
2004-2006 Holbrook Working Professor of Economics and Professor (by courtesy) in the Graduate School of Business

Department of Economics, Massachusetts Institute of Technology

1999-2001 Castle Krob Career Development Associate Professor of Economics
1997-1999 Castle Krob Career Development Assistant Professor of Economics
1995-1997 Assistant Professor of Economics

Cowles Foundation for Economic Research, Yale University
1997-1998 Visiting Assistant Professor of Economics

Hoover Institution, Stanford University
2000-2001 National Fellow

National Bureau of Economic Research
1997-2001 Faculty Research Fellow

OTHER POSITIONS

2007-present Academic Affiliate, Bates White
2006-present Senior Consultant, Criterion Auctions
2001-present Principal, Market Design, Inc.
April, 1999; October, 2000; February, 2001 Consultant, Research Department,
Minneapolis Federal Reserve Bank
May, 1998 Visiting Professor, I.D.E.I. Toulouse.

CURRENT PROFESSIONAL ACTIVITIES

- Co-Editor, *American Economic Journals: Microeconomics*.
- Associate Editor, *Econometrica*, 2006-.
- Associate Editor, *Theoretical Economics*, 2005-.
- Associate Editor, *Quarterly Journal of Economics*, 2001-.
- Associate Editor, *B.E. Journals in Theoretical Economics*, 2000-.
- Editorial Board, *Not a Journal Economics*, 2001-.

PAST PROFESSIONAL ACTIVITIES

- Fellows Nominating Committee, Econometric Society, 2006.
- Elaine Bennett Research Prize Committee (AEA/CSWEP), 2002, 2004, 2006 (Chair).
- Chair, Program Committee, Winter Meetings of the Econometric Society, 2006.
- National Science Foundation Economics Panel, 2004-2006.
- Co-director, Market Design Program, Stanford Institute for Economic Policy Research, 2004-2006.
- Mentor, CeMent Mentoring Workshop, AEA/CSWEP, 2006.
- Young Faculty Nominating Committee, Center for Advanced Study in the Behavioral Sciences.
- Associate Editor, *American Economic Review*, 2002-2005.
- Associate Editor, *RAND Journal of Economics*, 2002-2004.

- Foreign Editor, *Review of Economic Studies*, 2001-2004.
- American Economic Association Nominating Committee, 2003.
- Stanford University Fellow, 2002-2004.
- Co-editor, *Journal of Economics and Management Strategy*, 1997-2001.
- Program Committee, Summer Meetings of the Econometric Society, 1997 and 1998; 8th World Congress of the Econometric Society, 2000; Winter Meetings of the Econometric Society, 2001 and 2005.

HONORS

- John Bates Clark Medal, 2007.
- Toulouse Lectures in Economics, 2007.
- Invited Speaker, 9th World Congress of the Econometric Society.
- Fellow, Econometric Society.
- Guggenheimer Faculty Scholar, Stanford University, 2004-2006.
- Lecturer, Johnson Distinguished Lecture Series in Economics, Duke University, 2004.
- Elaine Bennett Research Award, 2001.
- Sloan Foundation Research Fellow, 2000.
- Kilby Awards Foundation Young Innovator Award, 1998.
- Undergraduate Economics Association Teaching Award, 1995-1996.
- Review of Economic Studies Tour, 1995.
- Stanford University Lieberman Fellow, 1994-1995.
- State Farm Dissertation Award in Business, 1994.
- National Science Foundation Graduate Fellowship, 1991-1994.
- Jaedicke Scholar, Stanford Graduate School of Business, 1992-1993.
- Mary Love Collins Scholarship, Chi Omega Foundation, 1991-1992.
- Duke University Alice Baldwin Memorial Scholarship, 1990-1991.

GRANTS AND RESEARCH AWARDS

- "Private Information and Dynamic Games," NSF Grant No. SES-0351500.
- "Private Information in Auctions, Pricing Games, and Ongoing Relationships," NSF CAREER Award No. SES-9983820.
- "Bidding Behavior in U.S. Forest Service Timber Auctions," MIT Provost's Fund for Humanities, Arts, and Social Sciences Research Award, 1997.
- "Empirical Tests for Complementarities: A Structural Approach," MIT Sloan School of Management, Creative Research Award, 1996 (with Scott Stern).
- "Comparative Statics: Theory and an Empirical Framework for Testing Predictions," NSF Grant No. SBR-9631760.
- "Product and Process Innovation," William Miller Fund, Stanford GSB.

REFEREED PUBLICATIONS

1. "Collusion with Persistent Cost Shocks," (with Kyle Bagwell). *Accepted subject to final revisions, Econometrica*.
2. "Efficiency in Repeated Trade with Hidden Valuations," (with David Miller). *Accepted subject to final revisions, Theoretical Economics*.
3. "Discrete Choice Models with Multiple Unobserved Choice Characteristics," (with Guido Imbens). *Accepted subject to final revisions, International Economic Review*.
4. "Identification and Inference in Nonlinear Difference-In-Difference Models," (with Guido Imbens). *Econometrica* 74 (2), March, 2006, 431-498.
5. "The Optimal Degree of Monetary Policy Discretion," (with Andrew Atkeson and Patrick Kehoe), *Econometrica* 73 (5), September, 2005, 1431-1476.
6. "Collusion and Price Rigidity," (with Kyle Bagwell and Chris Sanchirico). *Review of Economic Studies* 71 (2), April 2004, 317-349.
7. "Identification in Standard Auction Models," (with Philip Haile), *Econometrica*, 70 (6), November 2002, pp. 2107-2140.
8. "The Impact of Information Technology on Emergency Health Care Outcomes," (with Scott Stern), *RAND Journal of Economics*, 33 (3), Autumn 2002, pp. 399-432.
9. "Monotone Comparative Statics Under Uncertainty," *Quarterly Journal of Economics*, February 2002, CXVII (1): 187-223.
10. "Optimal Collusion with Private Information," (with Kyle Bagwell), *RAND Journal of Economics*, Autumn 2001, 32 (3): 428-465.
11. "Single Crossing Properties and the Existence of Pure Strategy Equilibria in Games of Incomplete Information," *Econometrica* 69 (4), July, 2001: 861-890.
12. "Information and Competition in U.S. Forest Service Timber Auctions," (with Jonathan Levin), *Journal of Political Economy*, 109 (2), April 2001. Reprinted in: *Empirical Industrial Organization*, Paul Joskow and Michael Waterson, ed., Critical Ideas in Economics, Edward Elgar, forthcoming 2004.
13. "Investment and Market Dominance," (with Armin Schmutzler), *RAND Journal of Economics* 32 (1), Spring 2001: 1-26.
14. "Mentoring and Diversity," (with Chris Avery and Peter Zemsky), *American Economic Review* 90 (4) September 2000: 765-786.
15. "Product and Process Flexibility in an Innovative Environment," (with Armin Schmutzler), *RAND Journal of Economics*, 26 (4) Winter 1995: 557-574.

PAPERS & PROCEEDINGS/BOOKS/CONFERENCE VOLUMES

1. *Dynamic Games and Contracts with Hidden Information*, In Progress. Toulouse Lectures in Economics 2007, Princeton University Press.
2. "Designing Efficient Mechanisms for Dynamic Bilateral Trading Games," (with Ilya Segal), *American Economic Review Papers and Proceedings*, May 2007, forthcoming.

3. "What Does Performance in Graduate School Predict? Graduate Economics Education and Student Outcomes" (with Larry Katz, Alan Krueger, James Poterba, and Steve Levitt), *American Economic Review Papers and Proceedings*, May 2007, forthcoming.
4. "Empirical Models of Auctions," in *Advances in Economics and Econometrics: Theory and Applications, Ninth World Congress, Volume II*. Richard Blundell, Whitney K. Newey, Torsten Persson, eds., Cambridge University Press, 2007.
5. "Nonparametric Approaches to Auctions," forthcoming, *Handbook of Econometrics*, Volume 6.
6. *Robust Comparative Statics* (with Paul Milgrom and John Roberts), research monograph (draft form).
7. "Organizational Design: Decision Rights and Incentive Contracts," (with John Roberts), *American Economic Review Papers and Proceedings*, May 2001.
8. "Adoption and Impact of Advanced Technologies in Emergency Response Systems," (with Scott Stern), in *The Changing Hospital Industry: Comparing Not-for-Profit and For-Profit Institutions*, David Cutler, ed. University of Chicago Press, 2000, pp. 113-155.
9. "Information Technology and Training in Emergency Call Centers." (with Scott Stern). *Proceedings of the Fifty-First Annual Meetings* (New York, Jan 3-5, 1999). Madison, WI: Industrial Relations Research Association, pp. 53-60.

WORKING PAPERS/UNDER REVIEW

1. "Dynamics of Open Source Movements," (with Glenn Ellison).
2. "An Efficient Dynamic Mechanism," (with Ilya Segal). Under review.
3. "Comparing Open and Sealed Bid Auctions: Theory and Evidence from Timber Auctions," (with Jonathan Levin and Enrique Seira). Mimeo, Stanford University, 2004. *Revise & Resubmit, Econometrica*.
4. "Characterizing Properties of Stochastic Objective Functions," MIT Working Paper 96-1R. *Revise & Resubmit, B.E. Journals in Theoretical Economics*.
5. "Investment and Information Value for a Risk-Averse Firm," MIT Working Paper No. 00-30. *Revise & Resubmit, B.E. Journals in Theoretical Economics*.
6. "The Value of Information in Monotone Decision Problems" (with Jonathan Levin), MIT Working Paper No. 98-24, November 1998.
7. "An Empirical Framework for Testing Theories about Complementarities in Organizational Design," (with Scott Stern). NBER Working Paper 6600, February 1998. *Revise & Resubmit, Management Science*.
8. "The Allocation of Decisions in Organizations," (with Joshua Gans and Scott Stern), Mimeo, MIT, 1996.

WORK IN PROGRESS

1. "Subsidies and Set-Asides in Auctions," (with Jonathan Levin). In progress.

2. "Dynamic Auctions with Persistent Private Information," (with Kyle Bagwell). In progress.
3. "A Theory of Group Formation and Social Hierarchy," (with Saumitra Jha). In progress.
4. "Authority and Incentives," (with John Roberts), In progress.

TEACHING

- Graduate: Advanced Topics in Game Theory, Industrial Organization, Contract Theory, Microeconomic Theory.
- Undergraduate: Industrial Organization, Intermediate Applied Microeconomics.

OTHER PROFESSIONAL ACTIVITIES

- Member: Econometric Society, American Economic Association, Committee for the Status of Women in the Economics Profession.
- Referee for: *American Economic Review*, *Econometrica*, *Economic Journal*, *Games and Economic Behavior*, *Industrial Relations*, *International Economic Review*, *International Review of Finance and Economics*, *Journal of Econometrics*, *International Journal of Industrial Organization*, *Journal of Economics and Management Strategy*, *Journal of Human Resources*, *Journal of Industrial Economics*, *Journal of Political Economy*, *Management Science*, *National Science Foundation*, *RAND Journal of Economics*, *Quarterly Journal of Economics*, *Review of Economic Studies*, *Review of Economics and Statistics*, *Southern Economic Journal*.