

**Curriculum Vitae
August 2018**

Steven Neil Durlauf
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Education

B.A., magna cum laude, Economics, Harvard University, 1980.

PhD., M. Phil., M.A., Economics, Yale University, 1986.

Employment

Assistant Professor, Department of Economics, Stanford University, 1986-1991.

Associate Professor, Department of Economics, Stanford University, 1991-1993.

Associate Professor, Department of Economics, University of Wisconsin, Madison, 1993-1996.

Professor, Department of Economics, University of Wisconsin, Madison, 1996-2002.

Kenneth J. Arrow Professor of Economics, University of Wisconsin, 2002-present.

Laurents R. Christensen Professor of Economics, University of Wisconsin, 2009-2012.

William F. Vilas Research Professor, University of Wisconsin, 2011-2017.

Steans Family Professor of Educational Policy, Harris School of Public Policy, 2017-present.

Professional Appointments/Service

National Bureau of Economic Research, Faculty Research Fellow, 1987-2005; Research Associate, 2005-present.

Brookings Panel on Economic Activity, 1989, 2003.

London School of Economics, Distinguished Visitor, Spring 1991.

Federal Reserve Board of Governors, Visiting Scholar, October 1991, October 1992, March 1994, March 2004.

University of California, Los Angeles, Visiting Professor, March 1993.

Pontifical Catholic University of Rio de Janeiro, Distinguished Visitor, Summer 1993.

Institute for Research on Poverty, Affiliate, University of Wisconsin, 1993-present.

Santa Fe Institute, Visiting Professor, Summer 1995, Science Board, 1996-2002, 2003-2006, Director, Economics Program 1996-1998, External Faculty, 2002-2005.

Center for Demography and Ecology, University of Wisconsin, Faculty Affiliate, 1996-present.

Co-Chair, John D. and Catherine T. MacArthur Foundation Research Network on Social Interactions and Economic Inequality, 1997-2005.

Institute for Research on Poverty, University of Wisconsin, Executive Committee, 1997-2004, 2014-present.

National Science Foundation, Advisory Panel for Program on Knowledge and Distributed Intelligence, 1998.

International Advisory Committee, Department of Economics, University of Cyprus, 2000.

Federal Reserve Bank of Kansas City, Visiting Scholar, September 2000, December 2001, May 2002, May 2003, May 2004, May 2005, May 2006, September 2007.

Cowles Foundation for Research in Economics, Visiting Scholar, Yale University, November 2000.

National Science Foundation, Advisory Panel for Program on Methodology, Measurement, and Statistics, 2001-2002.

National Academy of Sciences, Committee on Law and Justice, 2002-2008.

National Academy of Sciences, Roundtable on Terrorism and the Social Sciences, 2003.

Federal Reserve Bank of Atlanta, Visiting Scholar, April 2004, April 2005, October 2005, March 2006, September 2006, April 2007, April 2008, June 2009, November 2009.

Center for Microeconomics, University of Cambridge, Advisory Board, 2008-present.

Affiliate, Stanford Center for the Study of Poverty and Inequality, 2009-present.

Visiting Professor, University of Chicago, Spring Quarters 2009-present.

Econometric Society: Member, Committee on the Status of Econometrics in the Econometric Society, 2010, Member, Search Committee for Editor of Quantitative Economics, 2011, Chair, Ragnar Frisch Medal Committee, 2012, Member, Search Committee for Co-Editors of Quantitative Economics, 2012. Member, Ragnar Frisch Medal Committee, 2014.

National Academy of Sciences, Committee on Deterrence and the Death Penalty, 2010-2011.

Co-Leader, Network on Measurement and Interpretation of Inequality, part of Global Working Group on Human Capital and Economic Inequality, 2011-present.

Co-Director, Human Capital and Economic Opportunity Global Working Group, 2012-present.

Co-Director, Summer School on Socioeconomic Inequality, University of Chicago, 2012, 2013, 2015-2018.

Co-Director, Summer School on Socioeconomic Inequality, China Center for Economic Development, Beijing, 2013, 2014.

Brennan Center for Justice, New York University, Economic Advisory Board, 2015-present.

Visiting Professor, School of Economics, Singapore Management University, 2016, 2017, 2018.

International Advisory Board, New Economic School, Moscow, 2016-present.

Awards and Honors

Phi Beta Kappa, Harvard University, 1980.

Alfred P. Sloan Doctoral Dissertation Fellowship, 1985-1986.

John M. Olin Foundation National Social Science Fellowship, 1991.

Laurits and Dianne Christensen Award for Dissertation Advising, Department of Economics, University of Wisconsin, 1994, 2012.

Romnes Fellowship, University of Wisconsin, 1996.

Fellow, Econometric Society, elected December 1997.

Vilas Associate in the Social Sciences, University of Wisconsin, 2000.

A. W. Phillips Lecturer, Australasian Meeting of the Econometric Society, June 2001.

Shoemaker Fellow, Department of Economics, University of Wisconsin, 2001.

WARF/University Houses Chair, University of Wisconsin, awarded December 2001; named in honor of Kenneth J. Arrow.

Who's Who in Economics, 4th Edition, 2003.

May Claire Phipps Fellow, Department of Economics, University of Wisconsin, 2008,

Laurits R. Christensen Professor of Economics, 2009-2012.

Fellow, American Academy of Arts and Sciences, elected 2011.

Vilas Research Professor, University of Wisconsin, awarded July 2011.

Outstanding Graduate Economics Teacher, awarded by students, December 2011.

Fellow, Society for Economic Measurement, 2014.

Fellow, Society for the Advancement of Economic Theory, 2014.

TW Schultz Memorial Lecture and Award, Agricultural and Applied Economics Association, 2017.

Founding Fellow, International Society for Applied Econometric Analysis, 2018.

Active Research Grants

National Institute of Health, Network on the Determinants of Life Course Outcomes, (Durlauf Senior Consultant), R24AG048081, \$1,200,000, 2014-2019.

Institute for New Economic Thinking, Human Capital and Economic Opportunity Global Working Group (Durlauf Co-Director), \$1,000,000 per annum, 2015-2018.

Institute for New Economic Thinking, "Genoeconometrics," (Durlauf Principal Investigator), \$140,000, 2015-2018.

Publications and Research Papers

Doctoral Dissertation

“Essays in Econometrics and Macroeconomics,” Department of Economics, Yale University, 1986. Principal Advisor: Peter C. B. Phillips.

Books

Long-Run Economic Growth, (coeditor with J. Helliwell and B. Raj), Heidelberg: Physica-Verlag, 1996.

The Economy as an Evolving Complex System II, (coeditor with W. B. Arthur and D. Lane), Redwood City: Addison-Wesley, 1997.

Meritocracy and Economic Inequality, (coeditor with K. Arrow and S. Bowles), Princeton: Princeton University Press, 1999.

Social Dynamics, (coeditor with H. P. Young), Cambridge: MIT Press, 2001.

Handbook of Economic Growth I, (coeditor with P. Aghion), Amsterdam: Elsevier, 2005.

The Economy as an Evolving Complex System III (coeditor with L. Blume), New York: Oxford University Press, 2006.

Poverty Traps, (coeditor with S. Bowles and K. Hoff), Princeton: Princeton University Press, 2006.

Econometric Theory and Practice: Frontiers of Analysis and Applied Research, (coeditor with P. D. Corbae and B. Hansen), New York: Cambridge University Press, 2006,

New Palgrave Dictionary of Economics, Revised Edition, (general editor with L. Blume), London: MacMillan, 2008.

Handbook of Economic Growth 2 (coeditor with P. Aghion), Amsterdam: Elsevier, 2013.

Papers

“Multiple Time Series Regression with Integrated Processes,” with P. C. B. Phillips, Review of Economic Studies, 53, 473-495, 1986.

“Trends Versus Random Walks in Time Series Analysis,” with P. C. B. Phillips, Econometrica, 56, 1333-1354, 1988.

“Output Persistence, Economic Structure and the Choice of Stabilization Policy,” *Brookings Papers on Economic Activity*, 2, 69-116, 1989.

“Compositional Effects of Government Spending in a Two-Country Two-Sector Production Model,” with R. Staiger, *Journal of International Economics*, 28, 333-347, 1990.

“Testing the Positive Theory of Government Finance,” with D. Bizer, *Journal of Monetary Economics*, 26, 123-141, 1990.

“Spectral Based Testing of the Martingale Hypothesis,” *Journal of Econometrics*, 50, 355-376, 1991.

“Multiple Equilibria and Persistence in Aggregate Fluctuations,” *American Economic Review*, 81, 70-74, 1991.

“International Differences in Economic Fluctuations,” in *Technology and the Wealth of Nations*, R. Landau, D. Mowery and N. Rosenberg eds., Stanford: Stanford University Press, 1992.

“Time Series Properties of Aggregate Output Fluctuations,” *Journal of Econometrics*, 56, 39-56, 1993.

“Nonergodic Economic Growth,” *Review of Economic Studies*, 60, 349-366, 1993. Reprinted in *Complexity in Economics (The International Library of Critical Writings in Economics)*, J. B. Rosser and K. Kramer eds., Edward Elgar, 2004.

“Path Dependence in Aggregate Output,” *Industrial and Corporate Change*, 1, 149-172, 1994.

“Spillovers, Stratification, and Inequality,” *European Economic Review*, 38, 836-845, 1994.

“On the Evolution of Economic Status Across Generations,” with S. Cooper and P. Johnson, *American Statistical Association, Business and Economic Section, Papers and Proceedings*, 50-58, 1994.

“Misspecification Versus Bubbles in the Cagan Hyperinflation Model,” with M. Hooker, in *Nonstationary Time Series Analyses and Cointegration*, C. Hargreaves, ed., Oxford University Press, 1994.

“Convergence of International Output Movements,” with A. Bernard, *Journal of Applied Econometrics*, 10, 97-108 1995.

“Multiple Regimes and Cross-Country Growth Behavior,” with P. Johnson, *Journal of Applied Econometrics*, 10, 365-384, 1995.

“Measuring Noise in Inventory Models,” with L. Maccini, *Journal of Monetary Economics*, 36, 65-91, 1995.

“Interpreting Tests of the Convergence Hypothesis,” with A. Bernard, *Journal of Econometrics*, 71, 161-173, 1996.

“A Theory of Persistent Income Inequality,” *Journal of Economic Growth*, 1, 75-93, 1996. Reprinted in *Income Distribution (The International Library of Critical Writings in Economics)*, M. Sattinger, ed., Edward Elgar, 2001.

“Bilateral Interactions and Aggregate Fluctuations,” in *Proceedings of the First World Congress of Nonlinear Analysts Volume III*, V. Lakshmikantham ed., Walter DeGruyter, 1996.

“Long Run Economic Growth,” with B. Raj and J. Helliwell, *Empirical Economics*, 21, 1-10, 1996.

“Neighborhood Feedbacks, Endogenous Stratification, and Income Inequality,” in *Dynamic Disequilibrium Modelling: Proceedings of the Ninth International Symposium on Economic Theory and Econometrics*, W. Barnett, G. Gandolfo, and C. Hillinger, eds., Cambridge University Press, 1996.

“An Incomplete Markets Model of Business Cycles,” *Computational and Mathematical Organization Theory*, 2, 191-212, 1996.

“Associational Redistribution: A Defense,” *Politics and Society*, 24, 4, 391-410, 1996. Reprinted in *Recasting Egalitarianism*, E. O. Wright ed., New York: Verso Press.

“Limits to Science or Limits to Epistemology?,” *Complexity*, 2, 3, 31-37, 1997.

“Introduction” in *The Economy as an Evolving Complex System II*, W. B. Arthur, S. N. Durlauf and D. Lane, eds., Menlo Park: Addison-Wesley, 1997.

“Statistical Mechanics Approaches to Socioeconomic Behavior,” in *The Economy as an Evolving Complex System II*, W. B. Arthur, S. N. Durlauf and D. Lane, eds., Menlo Park: Addison-Wesley, 1997.

“What Should Policymakers Know About Economic Complexity?” *The Washington Quarterly*, 21, 1, 157-165, 1998.

“A Formal Model of Theory Choice in Science,” with W. Brock, *Economic Theory*, 14, 113-130, 1999. Reprinted in *Science Bought and Sold: The New Economics of Science*, P. Mirowski and E. Sent, eds., Chicago: University of Chicago Press, 2002.

“How Can Statistical Mechanics Contribute to the Study of Social Science?,” *Proceedings of the National Academy of Sciences*, 96, 10582-10584, 1999.

“The Case “Against” Social Capital,” *Focus*, 20, 3, 1-4, 1999.

“The New Empirics of Economic Growth,” with D. Quah, in *Handbook of Macroeconomics*, J. Taylor and M. Woodford eds., North-Holland, 1999.

“The Memberships Theory of Inequality: Ideas and Implications,” in *Elites, Minorities, and Economic Growth*, E. Brezis and P. Temin, eds., North Holland, 1999.

“Econometric Analysis and the Study of Economic Growth: A Skeptical Perspective,” in *Macroeconomics and the Real World*, R. Backhouse and A. Salanti, eds., Oxford: Oxford University Press, 2000.

“A Manifesto for Growth Econometrics,” *Journal of Econometrics*, 100, 65-69, 2001.

“The New Social Economics,” with H. P. Young, in *Social Dynamics*, S. Durlauf and H. P. Young, eds., Cambridge: MIT Press, 2001.

“The Interactions-Based Approach to Socioeconomic Behavior,” with L. Blume, in *Social Dynamics*, S. Durlauf and H. P., Young, eds., Cambridge: MIT Press, 2001.

“Discrete Choice with Social Interactions,” with W. Brock, *Review of Economic Studies*, 68, 2, 235-260, 2001. Reprinted in *Complexity in Economics (The International Library of Critical Writings in Economics)*, J. B. Rosser and K. Kramer eds., Edward Elgar, 2004.

“The Local Solow Growth Model,” with A. Kourtellos and A. Minkin, *European Economic Review*, 45, 928-940, 2001.

“Growth Empirics and Reality,” with W. Brock, *World Bank Economic Review*, 15, 229-272, 2001.

“Interactions-Based Models,” with W. Brock, in *Handbook of Econometrics*, vol. 5, J. Heckman and E. Leamer eds., Amsterdam: North-Holland, 2001.

“Social Interactions and Fertility Transitions,” with J. Walker, in *Diffusion Processes and Fertility Transition: Selected Perspectives*, J. Casterline ed., Washington DC: National Academy Press, 2001.

“A Framework for the Study of Individual Behavior and Social Interactions,” *Sociological Methodology*, 31, 47-87, 2001.

“The Memberships Theory of Poverty: The Role of Group Affiliations In Determining Socioeconomic Outcomes,” in *Understanding Poverty in America*, S. Danziger and R. Haveman, eds., Cambridge: Harvard University Press, 2002.

"Bowling Alone: A Review Essay," *Journal of Economic Behavior and Organization*, 47, 3, 259-273, 2002.

"On the Empirics of Social Capital," *Economic Journal*, 112, 459-479, 2002.

"A Multinomial Choice Model with Neighborhood Effects," with W. Brock, *American Economic Review*, 92, 298-303, 2002.

"The Convergence Hypothesis After 10 Years," *Revista Economica de Castilla-La Mancha*, 2, 55-74, 2003. (In Spanish, English version available at <http://www.ssc.wisc.edu/econ/archive/wp2003-06.pdf>.)

"Is Assortative Matching Efficient?," with A. Seshadri, *Economic Theory*, 21, 2-3, 475-493, 2003.

"Policy Evaluation and Empirical Growth Research," in *Economic Growth: Sources, Trends, and Cycles*, N. Loayza and R. Soto eds., Santiago: Central Bank of Chile, 2003.

"Policy Analysis in Uncertain Economic Environments (with discussion)," with W. Brock and K. West, *Brookings Papers on Economic Activity*, 1, 235-322, 2003.

"Equilibrium Concepts for Social Interaction Models," with L. Blume, *International Game Theory Review*, 5, 3, 193-209, 2003.

"Elements of a Theory of Design Limits to Optimal Policy," with W. Brock, *The Manchester School*, 72, Supplement 2, 1-18, 2004.

"Neighborhood Effects," in *Handbook of Regional and Urban Economics*, vol. 4, J. V. Henderson and J.-F. Thisse, eds., Amsterdam: North Holland, 2004.

"Social Interactions Models," with E. Cohen-Cole, in *Encyclopedia of Social Measurement*, K. Lempf-Leonard, ed., Academic Press, 2004.

"Complexity and Empirical Economics," *Economic Journal*, 112. 483, 225-243, 2005.

"Local Robustness Analysis: Theory and Application," with W. Brock, *Journal of Economic Dynamics and Control*, 29, 11, 2067-2092, 2005.

"Identifying Social Interactions: A Review," with L. Blume, in *Methods in Social Epidemiology*, J. M. Oakes and J. Kaufman, eds., San Francisco: Jossey-Bass, 2005.

"Multinomial Choice with Social Interactions," with W. Brock, in *The Economy as an Evolving Complex System III*, L. Blume and S. Durlauf, eds., New York: Oxford University Press, 2006.

“Groups, Social Influences, and Inequality: A Memberships Theory Perspective on Poverty Traps,” in *Poverty Traps*, S. Bowles, S. Durlauf, and K. Hoff, eds., Princeton: Princeton University Press, 2006.

“Social Capital,” with M. Fafchamps, in *Handbook of Economic Growth*, P. Aghion and S. Durlauf, eds., Amsterdam: North Holland, 2006.

“Growth Econometrics,” with P. Johnson and J. Temple, in *Handbook of Economic Growth*, P. Aghion and S. Durlauf, eds., Amsterdam: North Holland, 2006.

“Racial Profiling as a Public Policy Question: Efficiency, Equity, and Ambiguity,” *American Economic Review*, 92, 2, 132-136, 2006.

“Macroeconomics and Model Uncertainty,” with W. Brock, in *Post-Walrasian Macroeconomics: Beyond the Dynamic Stochastic General Equilibrium Model*, D. Colander, ed., New York: Cambridge University Press, 2006.

“Social Interactions and Macroeconomics,” with W. Brock, in *Post-Walrasian Macroeconomics: Beyond the Dynamic Stochastic General Equilibrium Model*, D. Colander, ed., New York: Cambridge University Press, 2006.

“Assessing Racial Profiling,” *Economic Journal*, 116, 515, F402-F426, 2006.

“Model Uncertainty and Policy Evaluation: Some Theory and Empirics,” with W. Brock and K. West, *Journal of Econometrics*, 136, 2, 629-664, 2007.

“Identification of Binary Choice Models with Social Interactions,” with W. Brock, *Journal of Econometrics*, 140, 1, 52-75, 2007.

“Simple versus Optimal Rules as Guides to Policy,” with W. Brock, J. Nason, and G. Rondina, *Journal of Monetary Economics*, 54, 5, 1372-1396, 2007.

“Empirics of Growth and Development,” with C. M. Tan and A. Kourtellis, *International Handbook of Development Economics*, A. K. Dutt and J. Ros, eds., Edward Elgar, Cheltenham, UK, 2007.

“Exchangeability,” “Microeconomics,” “Optimization,” “Principal-Agent Problems,” and “Prisoner’s Dilemma,” with W. Brock, for *International Encyclopedia of the Social Sciences*, W. Darity ed., 2007.

“Convergence” (with P. Johnson), “Economic Growth: Stylized Facts,” (with P. Johnson), “Instrumental Variables” (with C. Bates and M. Buchinsky), “ISLM” (with D. Hester), “Path Dependence,” “William Sharpe,” “Statistical Mechanics,” and “Stigma” (with L. Blume), *New Palgrave Dictionary of Economics*, revised edition, L. Blume and S. Durlauf, eds., 2008.

“Regression Versus Variance Tests for Social Interactions,” with H. Tanaka, *Economic Inquiry*, 46, 1, 25-28, 2008.

“Memberships and Inequality,” in *Handbook of Social Capital*, D. Castiglione, J. van Deth and G. Wolleb, eds., Oxford: Oxford University Press, 2008.

“Are Any Growth Theories Robust?,” with C. M. Tan and A. Kourtellos, *Economic Journal*, 118, 527, 329-346, 2008.

“Affirmative Action, Meritocracy, and Efficiency,” *Politics, Philosophy, & Economics*, 7, 2, 131-158, 2008.

“Frequency-Specific Effects of Stabilization Policies,” with W. Brock and G. Rondina, *American Economic Review*, 98, 2, 241-245, 2008.

“On the Interpretation of Aggregate Crime Regressions,” with S. Navarro and D. Rivers, in *Crime Trends*, A. Goldberger and R. Rosenfeld, eds., Washington DC: National Academy of Sciences Press, 2008.

“James Tobin and Growth Theory: Financial Factors and Long Run Growth,” with R. Dimand, *History of Political Economy*, 41, Supplement 1, 182-199, 2009.

“The Rise and Fall of Cross-Country Growth Regressions,” *History of Political Economy*, 41, Supplement 1 315-333, 2009.

“The Econometrics of Convergence,” with P. Johnson and J. Temple, in *Handbook of Econometrics*, T. Mills and K. Patterson eds., London: Macmillan, 2009.

“The Methods of Growth Econometrics,” with P. Johnson and J. Temple, in *Handbook of Econometrics*, T. Mills and K. Patterson, eds., London: Macmillan, 2009.

“Lionel Robbins on Economic Generalizations and Reality in the Light of Modern Econometrics,” with R. Backhouse, *Economica*, 76, S1, 873-890, 2009.

“Model Uncertainty and the Deterrent Effect of Capital Punishment,” with E. Cohen-Cole, J. Fagan, and D. Nagin, *American Law and Economics Review*, 11, 335-369, 2009.

“Adoption Curves and Social Interactions,” with W. Brock, *Journal of the European Economic Association*, 8, 232-251, 2010.

“Social Interactions,” with Y. Ioannides, *Annual Review of Economics*, 2, 451-478, 2010.

“Understanding Aggregate Crime Regressions,” with S. Navarro and D. Rivers, *Journal of Econometrics*, 158, 2, 306-317, 2010.

"Identification of Social Interactions," with L. Blume, W. Brock and Y. Ioannides, in Handbook of Social Economics, J. Benhabib, A. Bisin, and M. Jackson, eds., Amsterdam: North Holland, 2011.

"Imprisonment and Crime: Can Both be Reduced?," with D. Nagin, Criminology and Public Policy, 10, 1, 13-54, 2011. Reprinted in Sentencing, T. Brooks, ed., Surrey: Ashgate Publishing, 2014.

"The Deterrent Effect of Imprisonment," with D. Nagin, in Controlling Crime, P. Cook, J. Ludwig, and J. McCrary, eds., Chicago: University of Chicago Press, 2011.

"Poverty Traps and Appalachia," in Appalachian Legacy: Economic Opportunity After the War on Poverty, J. Ziliak, ed., Washington, DC: Brookings Institution Press, 2012.

"On the Observational Implications of Taste-Based Discrimination in Racial Profiling," with W. Brock, J. Cooley, and S. Navarro, Journal of Econometrics, 166, 1, 66-78, 2012.

"Complexity, Economics, and Public Policy," Politics, Philosophy, & Economics, 11, 1, 45-75, 2012.

"Assumptions Matter: Model Uncertainty and the Deterrent Effect of Capital Punishment," with C. Fu and S. Navarro, American Economic Review, 102, 3, 487-492, 2012.

"Nonlinearities in Growth: From Evidence to Policy," with E. Cohen-Cole and G. Rondina, Journal of Macroeconomics, 34, 1, 42-58, 2012.

"Is God in the Details? A Reexamination of the Role of Religion in Economic Growth," with A. Kourtellos and C. M. Tan, Journal of Applied Econometrics, 27, 7, 1059-1075, 2012.

"Model Uncertainty and Empirical Policy Analysis in Economics: A Selective Review," Advances in Austrian Economics, R. Koppl, S. Horwitz and L. Dobuzinskis, eds., vol 17, 203-226, 2012.

"Process and Context in Choice Models," with M. Abou-Zaid, M. Ben-Akiva, P.-A. Chiappori, M. M. Fosgerau, D. Fukuda, S. Hess, M. de Lapparent, D. McFadden, C. Manski, A. Pakes, A. de Palma, N. Picard, and J. Walker, Marketing Letters, 23, 2, 439-456, 2012.

"Pitfalls in the Use of Time Series Methods to Study Deterrence and Capital Punishment," with K. Charles, Journal of Quantitative Criminology, 29, 1, 45-66, 2013.

"Capital Punishment and Deterrence: Understanding Disparate Results," with C. Fu and S. Navarro, Journal of Quantitative Criminology, 29, 1, 103-121, 2013.

"Design Limits and Dynamic Policy Analysis," with W. Brock and G. Rondina, Journal of Economic Dynamics and Control, 37, 2710-2728, 2013.

“Linear Social Interactions Models,” with L. Blume, W. Brock, and R. Jayaraman, *Journal of Political Economy*, 123, 2, 445-496, 2015.

“Capital in the Twenty-First Century: A Review Essay,” with L. Blume, *Journal of Political Economy*, 123: 749-777, 2015.

“Poverty Traps,” with I. Shaorshadze, *Encyclopedia of World Poverty*, M. Odekon and J. Geoffrey Golson, eds., Sherman Oaks: Sage Publishing, 2015.

“Intergenerational Mobility,” with I. Shaorshadze, *Emerging Trends in the Social and Behavioral Sciences* Robert A. Scott and Stephen M. Kosslyn, eds., Sherman Oaks, Sage Publishing, 2015.

“On Sturdy Policy Evaluation,” with W. Brock, *Journal of Legal Studies*, 44, S2: S447-S473, 2015.

“Model Uncertainty and the Effect of Shall-Issue Right-to-Carry Laws on Crime,” with S. Navarro and D. Rivers, *European Economic Review*, 81: 32-67, 2016.

“Status Traps,” with A. Kourtellos and C. M. Tan, *Journal of Business and Economic Statistics* 35: 265-287, 2017.

“Social Capital,” and “Affirmative Action.” with T. K. Tan, *SAGE Encyclopedia of Political Behavior*, Fathali M. Moghaddam, ed. Sherman Oaks, Sage Publishing, 2017.

“Understanding the Great Gatsby Curve,” with A. Seshadri, *NBER Macroeconomics Annual* 32: 333-393.

Comments, Discussions, and Miscellany

“Discussion of “Debt Neutrality, Redistribution, and Consumer Heterogeneity: A Survey and Some Extensions” by W. Buiter,” in *Money, Macroeconomics, and Economic Policy: Essays in Honor of James Tobin*, W. Brainard, W. Nordhaus and H. Watts, eds., Cambridge: MIT Press, 1991.

“Commentary on “Historical Macroeconomics and American Economic History” by Charles Calomiris and Christopher Hanes,” in *Macroeconometrics: Developments, Tensions and Prospects*, K. Hoover, ed., Kluwer Academic Publishers, 1995.

“Discussion of “On Growth and Indeterminacy: Some Theory and Evidence,” by Jess Benhabib and Jordi Gali,” *Carnegie-Rochester Series on Public Policy*, 43, 213-224, 1995.

“On the Convergence and Divergence of Growth Rates: Introduction,” *Economic Journal*, 106, 1016-1018, 1996.

“Swaying Public Beliefs: Comment on “Is Equality Passe?,” by Samuel Bowles and Herbert Gintis,” *Boston Review*, 23, 6, p. 20, 1998.

“Defending Affirmative Action,” *Capital Times*, November 7, p. 13A, 1998.

“In Defense of Traditional Egalitarianism,” *The Good Society*, 9, 3, 2000.

“Rejoinder to Discussion of “A Framework for the Study of Individual Behavior and Social Interactions,” *Sociological Methodology*, 31, 123-128, 2001.

“Discussion of “Why Doesn’t the US Have a European-Style Social Welfare State?,” by A. Alesina, E. Glaeser, and B. Sacerdote,” *Brookings Papers on Economic Activity*, 2, 2001.

“Discussion of “The Role of Models and Probabilities in the Monetary Policy Process” by C. Sims,” *Brookings Papers on Economic Activity*, 2, 2002.

“We Still Need Coherent Plan to Fight Terror,” *Wisconsin State Journal*, May 12, A8, 2003.

“Discussion of “The Empirics of Growth: An Update,” by Barry Bosworth and Susan Collins,” *Brookings Papers on Economic Activity*, 2, 2003.

“An Interview with Costas Azariadis,” *Macroeconomic Dynamics*, 11, 249-271, 2007.

“Discussion of “General Equilibrium Effects of Prison on Crime: Evidence from International Comparisons” by Justin McCrary and Sarath Sanga,” *Cato Papers on Public Policy*, 2012.

“Modesty Can Be Constructive: Linking Theory and Evidence in Social Science, Behavioral and Brain Sciences,” 37, 1, 81, 2014.

Book Reviews

Review of “Nonlinear Dynamics, Chaos, and Instability” by William A. Brock, David A. Hsieh and Blake LeBaron, *Journal of Economic Literature*, 31, 1, 232-234, 1993.

Review of “Increasing Returns and Path Dependence in the Economy” by W. Brian Arthur, *Complexity*, 1, 3, 37-38, 1995.

Review of “Convergence of Productivity: Cross-National Studies and Historical Evidence,” William Baumol, Richard Nelson and Edward Wolff, eds., *Journal of Economic Literature*, XXXIII, 2019-2020, 1995.

Review of “Full House” by Stephen J. Gould, *Complexity*, 2, 2, 44-46, 1996.

Review of "Growing Artificial Societies" by Robert Axtell and Joshua Epstein, *Complexity*, 2, 3, 47-49, 1997.

Review of "Impossibility" by John Barrow, *Times Higher Education Supplement*, p. 25, September 3, 1998.

Review of "System Effects" by Robert Jervis, *Emergence*, 1, 2, 194-197, 1999.

Review of "Growth, Inequality, and Globalization: Theory, History, and Policy" by Philippe Aghion, and Jeffrey Williamson, *Journal of Economic Literature*, 38, 3, 637-638, 2000.

Review of "The Effortless Economy of Science?," by Philip Mirowski, *American Scientist*, 93, March-April, 187-188, 2005.

Review of "Cognitive Economics: An Interdisciplinary Approach," Paul Bourguine and Jean-Pierre Nadal, eds., *Journal of Economic Literature*, 43, 2, 501-502, 2005.

Review of "Computability, Complexity, and Constructivity in Economic Analysis," K. Vela Villapillai, ed., *Economica*, 74, 295, 566-567, 2007.

Review of "Reconstructing Macroeconomics: A Perspective from Statistical Physics and Combinational Stochastic Processes" M. Aoki and H. Yoshikawa, *Economica*, 76, 301, 212-213. 2008.

Inactive Working Papers

"Bounds on the Variance of Specification Errors in Models with Expectations," with R. Hall, 1990.

"Locally Interacting Systems, Coordination Failure, and the Behavior of Aggregate Activity," 1990.

"Rational Choice and the Study of Science," 1998.

"Evaluating Claims of Bias In Academia: A Comment on Klein and Western's "How Many Democrats per Republican at UC-Berkeley and Stanford?" with E. Cohen-Cole, 2005.

"From Growth Theory to Policy Design," with P. Aghion, 2009.

"On Affirmative Action and Distributive Justice." 2012.

Editorial Service

Advisory Editor, *Macroeconomic Dynamics*, 1996-present.

Associate Editor, Revista de Econometria (Brazilian Review of Econometrics), 1994-present.

Associate Editor, American Economic Review, 1995-1996.

Associate Editor, Journal of Economic Growth, 1996-present.

Associate Editor, Empirical Economics, 1996-2001.

Associate Editor, Journal of Economic Behavior and Organization, 2001-2004.

Associate Editor, Economic Bulletin, 2005-2007.

Associate Editor, Journal of Financial Economic Policy, 2008-2009.

Coeditor, Journal of Applied Econometrics, 1995-2009.

Coeditor, Quantitative Economics, 2009-2011.

Editor, Journal of Economic Literature, 2013-present.

Editorial Board, Complexity, 1997-1998.

Foreign Editor, Review of Economic Studies, 1996-1999.

General Editor, New Palgrave Dictionary of Economics, 2005-2009.

Guest Editor, Review of Economics and Statistics Special Issue on New Methods of Business Cycle Analysis, 1995.

Guest Editor, Empirical Economics Special Issue on Economic Growth, 1995.

Guest Editor, Economic Journal Controversies Section on Convergence, 1996.

Guest Editor, Journal of Applied Econometrics Issue on Social Interactions, 2003.

Guest Editor, Journal of Econometrics Special Issue on the Interface of Economic Theory and Econometrics, 2006.

Guest Editor, Journal of Econometrics Special Issue in honor of Charles Nelson, 2008.

Guest Editor, Journal of Econometrics Special Issue in honor of Phoebus Dhrymes, 2010.

Graduate Students

(School, Dissertation Title, and First Job)

Principal Advisor

Tamim Bayoumi, Stanford University, "Futures Markets Imperfect Competition and Economic Activity," Staff Economist International Monetary Fund, 1988.

Chulsoo Kim, Stanford University, "Characterizing the Failure of the Permanent Income Hypothesis," Stanford University, Assistant Professor Rutgers University, 1990.

S. Paul Lau, Stanford University, "Strategic Behavior and the Microfoundations of Labor Contracts," Visiting Assistant Professor Texas A and M University 1990.

Andrew B. Bernard, Stanford University, "Essays on Macroeconomics and International Economics," Assistant Professor, Massachusetts Institute of Technology, 1991.

Marcio Garcia, Stanford University, "Asset Returns Indexation and Inflation in Brazil," Assistant Professor, Pontifical Catholic University of Rio de Janeiro, 1991.

Pamela Chang, Stanford University, "Essays on Dynamic Allocation and Pricing," Assistant Professor, Wellesley College, 1992.

Suzanne J. Cooper, Stanford University, "Essays on the Dynamics of Multiple Equilibria Economies," Assistant Professor, Harvard University, John F. Kennedy School of Government, 1993.

Ann M. Bell, University of Wisconsin, "Essays on Emergent Economic Dynamics," Assistant Professor, Vanderbilt University, 1995.

Lii-Tarn Chen, University of Wisconsin, "Essays on Testing for Speculative Bubbles in the Stock Market," Researcher, Institute of Economics, Academia Sinica, Taiwan, 1995.

Ruey Yau, University of Wisconsin, "Three Essays on Macroeconomics," Associate Professor, Fu-Jen University, Taiwan, 1996.

Sandra Cannon, University of Wisconsin, "Empirical Analysis of Firm Dynamics," Associate Analyst, Congressional Budget Office, 1996.

Alexandra Minicozzi, University of Wisconsin, "Nonparametric Analysis of Intergenerational Income Mobility," Assistant Professor, University of Texas at Austin, 1997.

Jenny A. Minier, University of Wisconsin, "Alternative Approaches to Democracy, Democratic Movements, and Economic Growth," Assistant Professor, University of Miami, 1998.

Christopher Wheeler, University of Wisconsin, "Essays on Geography and Economic Growth," Visiting Assistant Professor, Colgate University, 1998.

Kim Sau Chung, University of Wisconsin, "Three Essays on Matching and Implementation Theory," Assistant Professor, Northwestern University, 1999.

Brian Krauth, University of Wisconsin, "Social Interactions and Aggregate Neighborhood Outcomes," Assistant Professor, Simon Fraser University, 1999.

Nienke Oomes, University of Wisconsin, "Essays on Network Externalities and Aggregate Persistence," Staff Economist, International Monetary Fund, 2001.

Cullen Goenner, University of Wisconsin, "Empirical Approaches to the Study of Interstate Conflict," Assistant Professor, University of North Dakota, 2001.

Andros Kourtellis, University of Wisconsin, "Econometric Modelling of Heterogeneity and Nonlinearity with an Application to Cross-Country Growth Data," Visiting Assistant Professor, Virginia Polytechnic University, 2001.

Yingchun Liu, University of Wisconsin, "Essays on Consumption Smoothing and Risk Sharing," Visiting Assistant Professor, Oberlin College, 2002.

Mark Hopkins, University of Wisconsin, "Inequality, Growth, and the Distribution of Human Capital," Assistant Professor, Gettysburg College, 2002.

Artur Minkin, University of Wisconsin, "Three Essays in Applied Econometrics." Manager/Consultant, Deloitte and Touche, 2003.

Eldar Nigmatullin, University of Wisconsin, "Estimation of Markov Decision Processes in the Presence of Model Uncertainty," Senior Consultant, Bates, White and Ballentine, 2003.

Oya Ardic, University of Wisconsin, "Essays in Empirical Analysis of Cross-Country Growth," Assistant Professor, University of the Bosphorus, 2003.

Sibel Sirakaya, University of Wisconsin, "Essays on Social Interaction and Evolution in Economics," Assistant Professor, Departments of Economics and Statistics, University of Washington, Seattle, 2003.

Chih Ming Tan, University of Wisconsin, "New Approaches to the Empirics of Economic Growth," Assistant Professor, Tufts University, 2004.

Eric Furstenberg, University of Wisconsin, "Economic Perspectives on Affirmative Action in College Admissions," Assistant Professor, College of William and Mary, 2004.

Kenshi Taketa, University of Wisconsin, "Contagion of Financial Crises," Staff Economist, Bank of Japan, 2004.

Mehmet Eris, University of Wisconsin, "Essays on Economic Growth and Cross-Country Growth Empirics," Staff Economist, Central Bank of Turkey, 2005.

Ethan Cohen-Cole, University of Wisconsin, "Three Essays in Macroeconomics and Investment," Staff Economist, Federal Reserve Bank of Boston, 2006.

Darrell Glaser, University of Wisconsin, "Non-Linear Models of Education Attainment, Human Capital, and Earnings," Assistant Professor, United States Naval Academy, 2006.

Pablo Pincheira-Brown, University of Wisconsin, "Three Essays on Macroeconometrics," Senior Economist, Research Division, Central Bank of Chile, 2006.

Giacomo Rondina, University of Wisconsin, "Essays in Macroeconomics," Assistant Professor, University of California at San Diego, 2007.

Francesca Rondina, University of Wisconsin, "Essays on Model Uncertainty in Monetary Policy," Post-Doctoral Fellow, Institute for Economic Analysis, Barcelona, 2009.

Terry Iverson, University of Wisconsin, "Decision Support for Climate Change Policies: Three Essays," Assistant Professor, Colorado State University 2009.

Semih Tumen, University of Chicago, "Essays on Endogenous Social Effects," Economist, Central Bank of Turkey, 2011.

Xiangrong Yu, University of Wisconsin, "Essays in Economics," Research Economist, Monetary Authority of Hong Kong, 2012.

Hon Ho Kwok, University of Wisconsin, "Essays on Econometrics and Robust Control," Assistant Professor, University of Hong Kong, 2012.

Haixi Li, University of Wisconsin, "Three Essays on Monetary Policy Under Uncertainty," Senior Analyst, JP Morgan, 2012.

Christian Goldammer, University of Chicago, "Essays on Schools and Skills," Economist, The Greatest Good (Consulting Firm), 2012.

Hisatoshi Tanaka, University of Wisconsin, "Essays in Econometrics," Professor of Economics, Waseda University, 2013.

Wallace Ao. University of Wisconsin, "Essays in Education Policy," Economist, Institute for Defense Analysis, 2014.

Charalambos Michael, University of Wisconsin, "Three Essays in Financial Economics", Visiting Assistant Professor, College of Wooster, 2014.

Scott Swisher, "Essays on Economics and Networks," Postdoctoral Fellow, University of Cambridge, 2014.

Hsuan-Li Su, "Essays in Macroeconomics and Production Networks," Assistant Professor, Department of Economics, National Taiwan University, 2015.

Mariyana Zapryanova, "Essays on the Economics of Crime," Assistant Professor, Department of Economics, Smith College, 2015.

Matthew Friedman, "Essays on the Economics of Law Enforcement," Postdoctoral Fellow, Brennan Center for Justice, New York University, 2015.

Hector Sandoval, "Essays on Social Interaction in Rural Mexico," Assistant Professor, Department of Economics, University of Florida, 2015.

Kegon Teng Kok Tan, "Essays on Intergenerational Mobility," Assistant Professor, University of Rochester, 2017.

Joel Kaiyuan Han, "Essays in Neighborhood Change and Parental Response," Assistant Professor, Loyola University, Chicago, 2017.

Irina Shaorshadze, "Essays in Education Economics and Social Interactions," Quantitative Financial Analyst, Bank of America, 2017.

Member of Reading Committee

Joseph Gagnon, Stanford University, "Adjustment Costs and International Trade Dynamics," Staff Economist Federal Reserve Board of Governors, 1987.

Valerie A. Ramey, Stanford University, "Two Studies of Inventory Investment: Inventories as Factors of Production and Nonconvex Costs in the Production Smoothing Model," Assistant Professor, University of California at San Diego, 1987.

David S. Bizer, Stanford University, "Information, Uncertainty, and Investment," Assistant Professor, Johns Hopkins University, 1988.

John Earle, Stanford University, "Essays on Labor Market Fluctuations," Lecturer, Stanford University, 1988.

John M. Roberts, Stanford University, "Two Studies of Price and Marginal Cost in the U.S. Manufacturing Industry: Overtime and the Slope of Marginal Cost and Evidence of Price Adjustment Costs," Staff Economist, Federal Reserve Board of Governors, 1988.

George Fenn, Stanford University, "Essays on Financial Intermediation and Deposit Insurance," Staff Economist Federal Reserve Board of Governors, 1989.

Paul A. Johnson, Stanford University, "Capital Utilization and Investment when Capital Depreciates in Use," Assistant Professor, University of Oregon, 1989.

Andrew Levin, Stanford University, "The Theoretical and Empirical Relevance of Staggered Wage Contracts," Assistant Professor University of California San Diego, 1989.

Ann Velenchik, Stanford University, "Regional Economic Inequality and Interregional Migration in the Cote D'Ivoire" Assistant Professor, Wellesley College, 1989.

Thomas Wilson, Stanford University, "Destabilizing Speculation and Information-Based Non-Neutrality: Their Effects on Sectoral Allocation and Terms of Trade," Staff Economist Union Bank of Switzerland, 1989.

Mark A. Hooker, Stanford University, "Hidden State Variables Measurement Error and Bubbles in Hyperinflations" Assistant Professor, Dartmouth College, 1990.

Morgan W. Kelly, Yale University, "Phase Transition in Dynamic Stochastic Economies with Many Interacting Agents," Assistant Professor, Cornell University, 1990.

Jong-Il Kim, Stanford University, "Capital Accumulation Technical Progress and Economic Growth: Some Empirical Findings from the Meta-Production Function Approach," Post-Doctoral Fellow Institute for International Studies Stanford University, 1992.

Patrick Kennedy, Stanford University, "Procyclical Markups the Business Cycle and the Labor Market," Staff Economist, Federal Reserve Board of Governors, 1992.

Clark Burdick, Stanford University, "Essays in Computational Macroeconomic Dynamics and Econometrics" Assistant Professor, University of Indiana at Bloomington, 1993.

Takashi Kamihigashi, University of Wisconsin, "Stability and Complexity in Perfect Foresight Models," Assistant Professor, State University of New York at Stony Brook, 1994.

Hamid Davoodi, University of Wisconsin, "Empirical Evidence on International Business Cycles," Project Assistant, World Bank, 1994.

Patrick deFontnouvelle, University of Wisconsin, "Three Models of Stock Trading," Assistant Professor, Iowa State University, 1995.

David Cook, University of Wisconsin, "Three Essays on the Dynamics of Consumption and Investment," Assistant Professor, Hong Kong University of Science and Technology, 1996.

Elaine Peterson, University of Wisconsin, "Neighborhood Changes and Children's Propensity to Succeed," Assistant Professor, California State University at Stanislaus, 1996.

Kevin Sylwester, University of Wisconsin, "Three Essays on Institutional and Economic Development," Visiting Lecturer, University of Florida, 1997.

Michael McCracken, University of Wisconsin, "Essays on Out of Sample Inference," Assistant Professor, Louisiana State University, 1998.

Anusua Datta, University of Wisconsin-Milwaukee, "Three Essays in R&D, Productivity and Growth," Assistant Professor, College of New Jersey, 1999.

Susan Lee, University of Wisconsin, "Essays on Endogenous Social Interactions," Assistant Professor, Florida State University, 2000.

Maria Marta Ferreyra, University of Wisconsin, "Estimating the Effects of Private School Vouchers in Multi-District Economies," Assistant Professor, Graduate School of Industrial Administration, Carnegie-Mellon University, 2002.

Myunghwan Seo, University of Wisconsin, "Asymptotic and Bootstrap Tests for Threshold Cointegration," Lecturer, London School of Economics, 2004.

Camilo O. Tovar, University of Wisconsin, "Three Essays on International Finance," Economist, Bank for International Settlements, 2004.

Emin Dokumaci, University of Wisconsin, "Evolutionary Game Dynamics: Theory, Applications and Software," Assistant Scientist, Wisconsin Center for Educational Research, 2007.

Hiroaki Miyamoto, University of Wisconsin, "Essays on Dynamics of the Labor Market," Assistant Professor, International University of Japan, 2009.

Swati Dhingra, University of Wisconsin, 2010, "Essays on Gains from Trade," Lecturer, London School of Economics.

David Rivers, University of Wisconsin, "Essays in Empirical Microeconomics," Assistant Professor, University of Western Ontario, 2010.

Xiao Wang, University of Wisconsin, "Essays on International Economics," Visiting Assistant Professor, University of North Dakota, 2011.

Sarah Cattan, University of Chicago, "Psychological Traits and the Gender Wage Gap," Research Economist, Institute for Fiscal Studies, University College London, 2012.

Gabriel Ulyssea, University of Chicago, "Essays on the Informal Sector." Tenured Researcher, Institute for Applied Economic Research, Brazil, 2012.

Amanda Agan, University of Chicago, "The Returns to Community College," Postdoctoral Fellow, Princeton University, 2013.

Miriam Gensowski, University of Chicago, Assistant Professor, "Personality, IQ, and Lifetime Earnings," University of Copenhagen, 2013.

Chungsang Lam, University of Chicago, "Social Network Formation and Peer Effects: Estimation and Policy Implications," Assistant Professor, Clemson University, 2013.

Rodrigo Pinto, University of Chicago, "Selection Bias in a Controlled Experiment: The Case of Moving to Opportunity," Assistant Professor, Department of Economics, UCLA, 2015.

Jorge Vasquez, University of Wisconsin, "Essays in Microeconomics and Game Theory," Research Economist, Bank of Canada, 2016.