

Academic Experience

- 2000- Paul and Jean Hanna Senior Fellow, Hoover Institution, Stanford University
Professor (by courtesy) of Education (2001-)
Senior Fellow (by courtesy), Stanford Center for International Development [SCID], Stanford Institute for Economic Policy Research [SIEPR], (2003-)
Professor (by courtesy) of Economics (2004-)
- 2003- Chairman, Executive Board, Texas Schools Project, University of Texas at Dallas
- 2000- Senior Research Fellow, University of Texas at Dallas
- 1995- Research Associate, National Bureau of Economic Research
- 2006- Research Professor, Ifo Institute for Economic Research (University of Munich)
- 2013- Research Fellow, IZA Institute of Labor Economics
- 2008- Member, Management Team, Center for Analysis of Longitudinal Data in Education Research (CALDER)
- 2008- Area coordinator, Economics of Education, CESifo Research Network
- 2017-2018 John H. Makin Visiting Scholar, American Enterprise Institute (AEI)
- 2013-2016 Member, Council of Academic Advisers, American Enterprise Institute
- 1999-2015 Member, Koret Task Force on K-12 Education, Hoover Institution, Stanford University
- 2006-2008 Member, Scientific Advisory Council, Ifo Institute for Economic Research
- 1978-2000 Professor of Economics and Political Science, University of Rochester
Founding Director, W. Allen Wallis Institute of Political Economy (1991-99)
Professor of Public Policy (1992-2000)
Senior Research Associate, Rochester Center for Economic Research (1984-2000; Director, 1994-99)
Chairman, Department of Economics (1982-87; 1988-90; 1991-93)
- 1999-2000 Distinguished Visiting Fellow, Hoover Institution, Stanford University
- 1994 Visiting Fellow, Australian National University
- 1975-78 Associate Professor, Department of Economics and Institution for Social and

Policy Studies, Yale University

- 1974 Lecturer, Virginia Polytechnic Institute (Reston Campus)
- 1968-73 Associate Professor of Economics, U.S. Air Force Academy (Assistant Professor, 1969-71; Instructor, 1968-69)
- 1970-71 Research Associate, J.F. Kennedy School of Government, Harvard University

Government Experience

- 2011-2013 Commissioner, **Equity and Excellence Commission**, U.S. Department of Education
- 2004-2010 Member, Board of Directors, National Board for Education Sciences
Chair, 2008- 2010
- 2008-2010 Member, Council of Economic Advisors, California
- 2007 Member, Governor's Commission for a College Ready Texas, Texas
- 2006 Chair, NCLB Growth Model Pilot Peer Review, U.S. Department of Education
- 2005-2008 Member, **Governor's Committee on Education Excellence**, California
- 2002-2006 Member, Independent Review Panel, National Assessment of Title I, U.S. Department of Education
- 2001-05 Member, NCES Finance Technical Review Committee, U.S. Department of Education
- 2002 Member, Advisory Council on Education Statistics, U.S. Department of Education
- 1994-98 Member, Board of Economic Advisors, New York State Assembly
- 1994-95 Member, Technical Panel on Trends and Issues in Retirement Savings, Advisory Council on Social Security
- 1987-95 Consultant, U.S. Department of Education
- 1986-89 Consultant, U.S. Commission on Civil Rights
- 1987-89 Chairman, Technical Advisory Panel, Congressional Budget Office
- 1985-87 Member, Panel of Economic Advisers, Congressional Budget Office
- 1983-85 Deputy Director, Congressional Budget Office

- 1974 Systems Analyst, Military Airlift Command, U.S. Air Force
- 1973-74 Senior Economist, Cost of Living Council
- 1971-72 Senior Staff Economist, Council of Economic Advisers

Other Experience

- 2015- Global Economic Adviser, LearnCapital
- 2011-15 Director, CollegeSpring (formerly SEE College Prep)
- 2010-15 Member, Education Reform Advisory Group, George W. Bush Institute
- 2010-15 Director, GreatSchools
- 2007-15 Member, Review Board for Broad Prize for Urban Education
- 2007 Member, **Committee on Social Science Research Evidence on Racial Diversity in Schools**, National Academy of Education
- 2000-01 Member, **Committee on Scientific Principles of Education Research**, National Academy of Sciences/National Research Council
- 2000 Member, Historic Preservation Commission, Town of Brighton, NY
- 1998-2001 Member, **Panel on Data and Methods for Measuring the Effects of Changes in Social Welfare Programs**, National Academy of Sciences/National Research Council
- 1992-98 Member, Committee on National Statistics, National Academy of Sciences/National Research Council
- 1993-97 Chairman, **Panel on Retirement Income Modeling**, National Academy of Sciences/National Research Council
- 1990-94 Chairman, Panel on the Economics of Educational Reform (PEER)
- 1984-95 Consultant, The World Bank
- 1992 Chairman, Blue Ribbon Commission on Monroe County Finances, Monroe County, NY
- 1988-91 Chairman, **Panel to Evaluate Microsimulation Models for Social Welfare Programs**, National Academy of Sciences/National Research Council

- 1977-83 Consultant, Mathematica Policy Research
- 1976-78 Member, Mayor's Task Force on Education, New Haven, CT
- 1975-77 Senior Research Associate, Institute for Demographic and Economic Studies
- 1975-77 Consultant, Abt Associates
- 1972-74 Member, RFF-Academy for Contemporary Problems, Metropolitan Governance Research Committee
- 1969-73 Consultant, The Rand Corporation

Invited Lectures

City University Distinguished Lecture , City University of Hong Kong, 2018

Spring Distinguished Speaker , Crane Center, The Ohio State University, 2016

Vilfredo Pareto Lecture , Collegio Carlo Alberto, 2013

Harris Lecture , Clemson University, 2013

Waino Pihl Lecture , Wayne State University, 2012

Distinguished Scholar Lecture , Martin School of Public Policy, University of Kentucky, 2010

Giblin Lecture , University of Tasmania, 2009

Hannah Lecture , Michigan State University, 2009

Gilbert Memorial Lecture , University of Rochester, 2008

Spencer Foundation Distinguished Lecture , Association for Public Policy Analysis and Management, 2005

Sweat Lecture , Georgia State University, 2005

Birger Lecture , Tufts University, 2005

Lee Hysan Lecture , Chinese University of Hong Kong, 2004

Askwith Lecture , Harvard University, 2003

Reilly Lecture , Louisiana State University, 2002

Mullen Lecture , University of Maryland, Baltimore County, 1999

Editorial Activities

- 2016- Editorial Board, *Chinese Economics of Education Review*
- 2015- Editorial Advisory Board, *Journal of Professional Capital and Community*
- 2013- Co-Editor, *CESifo Economic Studies*
- 2007- Associate Editor, *Journal of Human Capital*
- 2005- Editorial Board, *Education Finance and Policy*
- 2000- Editorial Board, *Education Next*
- 1982- Editorial Board, *Economics of Education Review*
- 1978- 2015 Advisory Editor, *Social Science Research*
- 2004-2010 Co-editor, *Education Policy Series* , International Academy of Education/International Institute for Educational Planning, UNESCO
- 2002-2008 Editorial Board, *Fundamentals of Educational Planning* , UNESCO
- 2003-2007 Associate Editor, *Economic Bulletin*
- 1995-2002 Associate Editor, *Review of Economics and Statistics*
- 1997- 2001 Editorial Board, *Educational Evaluation and Policy Analysis*
- 1994-2001 Editorial Board, *Journal of Policy Analysis and Management*
- 1994-96 Editorial Board, *Socio-Economic Planning Sciences*
- 1991-97 Associate Editor, *Regional Science and Urban Economics*
- 1990-95 Editorial Board, *Journal of Economic Education*
- 1992-95 Advisory Board, *American Journal of Education*
- 1990-94 Co-editor, *Journal of Human Resources*
- 1987-1989 Associate Editor, *Evaluation Review*

PUBLICATIONS

Books and Monographs

[Handbook of the Economics of Education, Volume 5.](#) (co-editor with Stephen J. Machin and Ludger Woessmann). *Amsterdam: North Holland*, 2016.

[The Knowledge Capital of Nations: Education and the Economics of Growth.](#) (with Ludger Woessmann). Cambridge, MA: MIT Press, 2015, 262 pages.

[Universal Basic Skills: What countries stand to gain.](#) (with Ludger Woessmann). *Paris: OECD Publishing*, 2015, 110 pages.

[Endangering Prosperity: A Global View of the American School.](#) (with Paul E. Peterson and Ludger Woessmann). *Washington, DC: Brookings Press*, 2013, 147 pages.

[Handbook of the Economics of Education, Volume 4.](#) (co-editor with Stephen J. Machin and Ludger Woessmann). *Amsterdam: North Holland*, 2011, 708 pages.

[Handbook of the Economics of Education, Volume 3.](#) (co-editor with Stephen J. Machin and Ludger Woessmann). *Amsterdam: North Holland*, 2010, 616 pages.

[Schoolhouses, Courthouses, and Statehouses: Solving the Funding-Achievement Puzzle in America's Public Schools.](#) (with Alfred A. Lindseth). *Princeton University Press*, 2009, 432 pages.

[Handbook of the Economics of Education, Volume 2.](#) (co-editor with Finis Welch). *Amsterdam: North Holland*, 2006, 742 pages.

[Handbook of the Economics of Education, Volume 1.](#) (co-editor with Finis Welch). *Amsterdam: North Holland*, 2006, 700 pages.

[Courting Failure: How School Finance Lawsuits Exploit Judges' Good Intentions and Harm our Children.](#) (editor). *Stanford: Education Next Books*, 2006, 366 pages.

[Institutional Models in Education: Legal Framework and Methodological Aspects for a New Approach to the Problem of School Governance.](#) (co-editor with Enrico Gori, Daniele Vidoni and Charles Glenn). *Nijmegen, Netherlands: Wolf Legal Publishers*, 2006, 243 pages.

[The Economics of Schooling and School Quality - Volume II: Efficiency, Competition, and Policy.](#) (editor). *London: Edward Elgar Publishing Ltd.*, 2003.

[The Economics of Schooling and School Quality - Volume I: Labor Markets, Distribution, and Growth.](#) (editor). *London: Edward Elgar Publishing Ltd.*, 2003, 976 pages.

[Assessing Policies for Retirement Income: Needs for Data, Research, and Models.](#) (co-editor with Constance F. Citro). *Washington, DC: National Academy Press*, 1997, 256 pages.

[Improving America's Schools: The Role of Incentives.](#) (co-editor with Dale W. Jorgenson). *Washington, DC: National Academy Press*, 1996, 280 pages.

[Assessing Knowledge of Retirement Behavior](#). (co-editor with Nancy L. Maritato). *Washington, DC: National Academy Press*, 1996, 288 pages.

[Modern Political Economy: Old Topics, New Directions](#). (co-editor with Jeffrey S. Banks). *New York: Cambridge University Press*, 1995, 283 pages.

[Making Schools Work: Improving Performance and Controlling Costs](#). *Washington, DC: The Brookings Institution*, 1994, 200 pages.

[Educação Rural: Lições do Edurural](#). (with João Batista F. Gomes Neto, Ralph W. Harbison, and Raimundo Hélio Leite). *São Paulo: Editora da Universidade de São Paulo*, 1994, 236 pages.

[Educational Performance of the Poor: Lessons from Rural Northeast Brazil](#). (with Ralph W. Harbison). *New York: Oxford University Press*, 1992, 362 pages.

[Improving Information for Social Policy Decisions: The Uses of Microsimulation Modeling - Volume II: Technical Papers](#). (co-editor with Constance F. Citro). *Washington, DC: National Academy Press*, 1991, 368 pages.

[Improving Information for Social Policy Decisions: The Uses of Microsimulation Modeling - Volume I: Review and Recommendations](#). (co-editor with Constance F. Citro). *Washington, DC: National Academy Press*, 1991, 360 pages.

[Statistical Methods for Social Scientists](#). (with John E. Jackson). *New York: Academic Press*, 1977, 374 pages.

[Education and Race: An Analysis of the Educational Production Process](#). *Lexington, MA: D.C. Heath*, 1972, 176 pages.

Articles

[Testing and Accountability](#). *ANNALS of the American Academy of Political and Social Science*, forthcoming.

[The Value of Smarter Teachers: International Evidence on Teacher Cognitive Skills and Student Performance](#). (with Marc Piopuini and Simon Wiederhold). *Journal of Human Resources*, forthcoming.

[Education and the Growth-Equity Trade-off](#). In Charles Hulten and Valerie Ramey (ed.), *Education, Skills and Technical Change: Implications for Future U.S. GDP Growth*, Chicago: University of Chicago Press, forthcoming.

[The Evolution of Charter School Quality](#). (with Patrick L. Baude, Marcus Casey, Greg Phelan, and Steven G. Rivkin). *Economica*, forthcoming.

[Missouri's Economic Future Lies with School Reform](#). *Missouri Policy Journal*, 6, Spring 2018,

[Economic Gains from Educational Reform by US States.](#) (with Jens Ruhose and Ludger Woessmann). *Journal of Human Capital*, 11(4), Winter 2017, 447-486.

[Knowledge Capital and Aggregate Income Differences: Development Accounting for U.S. States.](#) (with Jens Ruhose and Ludger Woessmann). *American Economic Journal: Macroeconomics*, 9(4), October 2017, 184-224.

[Defining Productivity in Education: Issues and Illustrations.](#) (with Elizabeth Ettema). *The American Economist*, 65(2), October 2017, 165-183.

[Coping with Change: International Differences in the Returns to Skills.](#) (with Guido Schwerdt, Simon Wiederhold, and Ludger Woessmann). *Economic Letters*, 153, April 2017, 15-19.

[General Education, Vocational Education, and Labor-Market Outcomes over the Life-Cycle.](#) (with Guido Schwerdt, Ludger Woessmann, and Lei Zhang). *Journal of Human Resources*, 52(1), Winter 2017, pp. 49-88.

[For Long Term Economic Development, Only Skills Matter.](#) *IZA World of Labor*, 343, 2017.

[Dynamic Effects of Teacher Turnover on the Quality of Instruction.](#) (with Steven G. Rivkin and Jeffrey C. Schiman). *Economics of Education Review*, 55, December 2016, 132-148.

[School Resources and Student Achievement: A Review of Cross-Country Economic Research.](#) (with Ludger Woessmann). In Monica Rosén, Kajsa Yang Hansen, and Ulrika Wolff (ed.). *Cognitive Abilities and Educational Outcomes: A Festschrift in Honour of Jan-Eric Gustafsson*, Springer, 2017, pp. 149-171.

[Skills, Mobility, and Growth.](#) (with Ludger Woessmann). In Alexandra Brown, David Buchholz, Daniel Davis, and Arturo Gonzalez (ed.). *Economic Mobility: Research & Ideas on Strengthening Families, Communities & the Economy*, St. Louis, MO: Federal Reserve Bank of St. Louis and the Board of Governors of the Federal Reserve System, 2016, pp. 423-449.

[Will more higher education improve economic growth?.](#) *Oxford Review of Economic Policy*, 32(4), Winter 2016, pp. 538-552.

[Education Reform.](#) In Scott W. Atlas, Jesús Fernández-Villaverde, Eric A. Hanushek, Edward P. Lazear, Lee Ohanian, Joshua D. Rauh, and Frank A. Wolak, *Economic Policy Challenges Facing California's Next Governor*, Stanford, CA: Hoover Institution Press, October 2018, pp. 19-23.

[Education and the Nation's Future.](#) In George P. Shultz (ed.), *Blueprint for America*, Stanford, CA: Hoover Institution Press, 2016, pp. 89-108.

[It Pays to Improve School Quality.](#) (with Jens Ruhose and Ludger Woessmann). *Education Next*, 16(3), Summer 2016, pp. 16-24.

[What Matters for Achievement: Updating Coleman on the Influence of Families and Schools.](#) *Education Next*, 16(2), Spring 2016, pp. 22-30.

[School human capital and teacher salary policies.](#) *Journal of Professional Capital and Community*, 1(1), 2016, pp. 23-40.

[Knowledge Capital, Growth, and the East Asian Miracle.](#) *Science*, 351(6271), January 22, 2016, pp. 344-345.

[Land Use Controls, Fiscal Zoning, and the Local Provision of Education.](#) (with Kuzey Yilmaz). *Public Finance Review*, 49(5), September 2015, pp. 559-585.

[The Preschool Debate: Translating Research into Policy.](#) In Ingrid Gould Ellen, Edward L. Glaeser, Eric A. Hanushek, Matthew E. Kahn, and Aaron M. Renn, *The Next Urban Renaissance: How Public-Policy Innovation and Evaluation Can Improve Life in America's Cities*, New York: Manhattan Institute for Policy Research, 2015, pp. 25-40.

[Why Standard Measures of Human Capital are Misleading.](#) *KDI Journal of Economic Policy*, 37(2), 2015, 22-39.

[The Economic Impact of Educational Quality.](#) (with Ludger Woessmann). In Pauline Dixon, Steve Humble, and Chris Counihan (ed.). *Handbook of International Development and Education*, Cheltenham, UK: Edward Elgar Publishing, 2015, pp. 6-19.

[Economics of Education.](#) In James D. Wright (ed.), *International Encyclopedia of the Social and Behavioral Sciences, 2nd Edition*, Oxford: Elsevier, April 2015, 149-157.

[Returns to Skills around the World: Evidence from PIAAC.](#) (with Guido Schwerdt, Simon Wiederhold, and Ludger Woessmann). *European Economic Review*, 73, January 2015, pp. 103-130.

[Finding the Right Focus.](#) In María de Ibarrola and D.C. Phillips (ed.), *Leaders in Educational Research*, Rotterdam: Sense Publishers, 2014, pp. 93-105.

[Is Location Fate? Distributional Aspects of Schooling.](#) In Gregory K. Ingram and Daphne A. Kenyon (ed.), *Education, Land, and Location*, Cambridge, MA: Lincoln Institute of Land Policy, 2014, pp. 25-61.

[Achievement Gap.](#) In Denis C. Phillips (ed.), *Encyclopedia of Educational Theory and Philosophy*, Los Angeles: SAGE Reference, 2014, pp. 4-7.

[U.S. Students from Educated Families Lag in International Tests.](#) (with Paul E. Peterson and Ludger Woessmann). *Education Next*, 14(4), Fall 2014, pp. 8-18.

[Institutional Structures of the Education System and Student Achievement: A Review of Cross-country Economic Research.](#) (with Ludger Woessmann). In Rolf Strietholt, Wilfried Bos, Jan-Eric Gustafsson, and Monica Rosen (ed.). *Educational Policy Evaluation through International Comparative Assessments*, Munster, Germany: Waxman, 2014, pp. 145-175.

[Borrowing Constraints, College Aid, and Intergenerational Mobility](#). (with Charles Ka Yui Leung and Kuzey Yilmaz). *Journal of Human Capital*, 8(1), Spring 2014, pp. 1-41.

[Boosting Teacher Effectiveness](#). In Chester E. Finn Jr. and Richard Sousa (ed.), *What lies ahead for america's children and their schools*, Stanford, CA: Hoover Institution Press, 2014, 23-35.

[School resources and educational outcomes in developing countries: A review of the literature from 1990 to 2010](#). (with Paul W. Glewwe, Sarah D. Humpage, and Renato Ravina). In Paul Glewwe (ed.). *Education Policy in Developing Countries*, Chicago: University of Chicago Press, 2013, pp. 13-64.

[Schools and location: Tiebout, Alonso, and governmental finance policy](#). (with Kuzey Yilmaz). *Journal of Public Economic Theory*, 15(6), December 2013, 829-855.

[Economic Growth in Developing Countries: The Role of Human Capital](#). *Economics of Education Review*, 37, December 2013, pp. 204–212.

[Does School Autonomy Make Sense Everywhere? Panel Estimates from PISA](#). (with Susanne Link and Ludger Woessmann). *Journal of Development Economics*, 104, September 2013, pp. 212-232.

[School Leaders Matter: Measuring the impact of effective principals](#). (with Gregory F. Branch and Steven G. Rivkin). *Education Next*, 13(1), Winter 2013, pp. 62-69.

[Financing Schools](#). In John Hattie and Eric M. Anderman (ed.), *International Guide to Student Achievement*, New York: Routledge, 2013, pp. 134-136.

[Do Better Schools Lead to More Growth? Cognitive Skills, Economic Outcomes, and Causation](#) . (with Ludger Woessmann). *Journal of Economic Growth*, 17(4), December 2012, pp. 267-321.

[Schooling, Educational Achievement, and the Latin American Growth Puzzle](#) . (with Ludger Woessmann). *Journal of Development Economics*, 99(2), November 2012, pp. 497-512.

[The Cost of Ignorance](#). In Norberto Bottani and Daniele Checchi (Ed.), *La Sfida Della Valutazione*, Bolgna, IT: Società Editrice il Mulino, 2012, pp. 39-46.

[Is the U.S. catching up? International and state trends in student achievement](#). (with Paul E. Peterson and Ludger Woessmann). *Education Next*, 12(4), Fall 2012, pp. 24-33.

[The Distribution of Teacher Quality and Implications for Policy](#). (with Stephen G. Rivkin). *Annual Review of Economics*, 4, September 2012, pp. 131-157.

[The Role of International Assessments of Cognitive Skills in the Analysis of Growth and Development](#). (with Ludger Woessmann), In Matthias von Davier, Eugenio Gonzalez, Irwin Kirsch, and Kentaro Yamamoto (Ed.). *The Role of International Large-Scale Assessments: Perspectives from Technology, Economy, and Educational Research*, Dordrecht, Netherlands:

Springer, 2012, 47-65.

[Achievement growth: International and state trends in student achievement.](#) (with Paul E. Peterson and Ludger Woessmann). *PEPG Report No. 12-03*, July 2012.

[Education quality and economic growth.](#) In Brendan Miniter (ed.), *The 4 percent solution: Unleashing the economic growth America needs*, New York: Crown Business, 2012, pp. 227-239.

[A flawed analysis of unrepresentative state achievement data.](#) *Educational Policy*, 26(3), May 2012, 360-368.

[Grinding the Antitesting Ax: More bias than evidence behind NRC panel's conclusions.](#) *Education Next*, Spring 2012, pp. 49-55.

[The Economic Benefit of Educational Reform in the European Union.](#) (with Ludger Woessmann). *CESifo Economic Studies*, 58(1), March 2012, pp. 73–109.

[Are U.S. Students Ready to Compete?.](#) (with Paul E. Peterson, Ludger Woessmann, and Carlos Xabel Lastra-Anadón). *Education Next*, 11(4), Fall 2011, pp. 51-59.

[Urban education, location, and opportunity in the United States.](#) (with Kuzey Yilmaz). In Nancy Brooks, Kieran Donaghy, and Gerrit-Jan Knaap (ed.). *Oxford Handbook of Urban Economics and Planning*, Oxford: Oxford University Press, 2011, pp. 583-615.

[Globally Challenged: Are U.S. Students Ready to Compete?.](#) (with Paul E. Peterson, Ludger Woessmann, and Carlos Xabel Lastra-Anadón). *PEPG Report No. 11-03*, Cambridge, MA: Program on Education Policy and Governance, Harvard University, August 2011.

[Private Schools and Residential Choices: Accessibility, Mobility, and Welfare.](#) (with Sinan Sarpça and Kuzey Yilmaz). *B.E. Journal of Economic Analysis & Policy (Contributions)*, 11(1) article 44, 2011, pp. 1-32.

[How Much Do Educational Outcomes Matter in OECD Countries?.](#) (with Ludger Woessmann). *Economic Policy*, 26(67), July 2011, pp. 427-491.

[The Economic Value of Higher Teacher Quality.](#) *Economics of Education Review*, 30(3), June 2011, pp. 466-479.

[Valuing Teachers: How Much is a Good Teacher Worth?.](#) *Education Next*, 11(3), Summer 2011, pp. 40-45.

[Teaching Math to the Talented: Which Countries - and States - are Producing High-Achieving Students?.](#) (with Paul E. Peterson and Ludger Woessmann). *Education Next*, Winter 2011, pp. 10-18.

[Paying Teachers Appropriately.](#) In Darrel Drury and Justin Baer (ed.), *The American Public School Teacher: Past, Present, and Future*, (Cambridge, MA: Harvard Education Press), 2011,

pp. 109-118.

[Sample Selectivity and the Validity of International Student Achievement Tests in Economic Research.](#) (with Ludger Woessmann). *Economics Letters*, 110(2), February 2011, pp. 79-82.

[The Economics of International Differences in Educational Achievement.](#) (with Ludger Woessmann) in Eric A. Hanushek, Stephen Machin and Ludger Woessmann (ed.). *Handbook of the Economics of Education, Vol. 3, Amsterdam: North Holland, 2011*, pp. 89-200.

[How well do we understand achievement gaps?.](#) *Focus*, 27(2), Winter 2010, pp. 5-12.

[U.S. Math Performance in Global Perspective: How Well Does Each State Do at Producing High-Achieving Students?.](#) (with Paul E. Peterson and Ludger Woessmann). *PEPG Report No. 10–19*, Cambridge, MA: Program on Education Policy and Governance, Harvard University, November 2010.

[An Evidence-Based World.](#) In Koret Task Force, *American Education in 2030: An Assessment by Hoover Institution's Koret Task Force on K–12 Education*, Stanford, CA: Hoover Institution, 2010.

[The Difference is Teacher Quality.](#) in Karl Weber (ed.). *Waiting for "Superman": How We Can Save America's Failing Public Schools.* New York: Public Affairs, 2010, pp. 81-100.

[An Effective Teacher in Every Classroom: A lofty goal, but how to do it.](#) (with Kati Haycock). *Education Next*, 10(3), Summer 2010, pp. 46-52.

[The Quality and Distribution of Teachers under the No Child Left Behind Act.](#) (with Steven G. Rivkin). *Journal of Economic Perspectives*, 24(3), Summer 2010, pp. 133-150.

[Generalizations about Using Value-Added Measures of Teacher Quality.](#) (with Steven G. Rivkin). *American Economic Review*, 100(2), May 2010, pp. 267-271.

[Education Production Functions: Developed Countries Evidence.](#) in Dominic J. Brewer and Patrick J. McEwan (ed.). *Economics of Education (Amsterdam: Elsevier)*, 2010, pp. 132-136.

[Education and Economic Growth.](#) (with Ludger Woessmann) in Dominic J. Brewer and Patrick J. McEwan (ed.). *Economics of Education (Amsterdam: Elsevier, 2010)*, 2010, pp. 60-67.

[The High Cost of Low Educational Performance: The Long-Run Impact of Improving PISA Outcomes.](#) (with Ludger Woessmann). *Paris: Organization for Economic Cooperation and Development*, 2010, pp. 1-55.

[Does Pollution Increase School Absences?.](#) (with Janet Currie, E. Megan Kahn, Matthew Neidell, and Steve G. Rivkin). *Review of Economics and Statistics*, 91(4), November 2009, pp. 683-694.

[Teacher Deselection.](#) In Dan Goldhaber and Jane Hannaway (ed.), *Creating a New Teaching Profession*, Washington, DC: Urban Institute Press, 2009, pp. 165-180.

[Many Schools Are Still Inadequate: Now what?](#). (with Alfred A. Lindseth and Michael A. Rebell). *Education Next*, 9(4), Fall 2009, pp. 49-56.

[School Policy: Implications of Recent Research for Human Capital Investments in South Asia and Other Developing Countries](#). *Education Economics*, 17(3), September 2009, pp. 291-313.

[New Evidence about Brown v. Board of Education: The Complex Effects of School Racial Composition on Achievement](#). (with John F. Kain and Steven G. Rivkin). *Journal of Labor Economics*, 27(3), July 2009, pp. 349-383.

[The Economic Value of Education and Cognitive Skills](#). In Gary Sykes, Barbara Schneider and David N. Plank (eds.), *Handbook of Education Policy Research*, New York: Routledge, 2009, pp. 39-56.

[Harming the Best: How Schools Affect the Black-White Achievement Gap](#). (with Steven G. Rivkin). *Journal of Policy Analysis and Management*, 29(3), Summer 2009, pp. 366-393.

[Quality-Consistent Estimates of International Schooling and Skill Gradients](#). (with Lei Zhang). *Journal of Human Capital*, 3(2), Summer 2009, pp. 107-143.

[Getting Down to Facts: School Finance and Governance in California](#). (with Susanna Loeb and Anthony Bryk). *Education Finance and Policy*, 3(1), Winter 2008, pp. 1-19.

[The Role of Cognitive Skills in Economic Development](#). (with Ludger Woessmann). *Journal of Economic Literature* 2008, 46(3), 2008, pp. 607-668.

[Do Students Care about School Quality? Determinants of Dropout Behavior in Developing Countries](#). (with Victor Lavy and Kohtaro Hitomi). *Journal of Human Capital*, 2(1), 2008, pp. 69-105.

[Education Production Functions](#). In Steven N. Durlauf and Lawrence E. Blume (eds.), *The New Palgrave Dictionary of Economics*, Basingstoke: Palgrave Macmillan, 2008.

[What Do Cost Functions Tell Us About the Cost of an Adequate Education?](#). (with Robert Costrell and Susanna Loeb). *Peabody Journal of Education*, 83(2), 2008, pp. 198-223.

[Incentives for Efficiency and Equity in the School System](#). *Perspektiven der Wirtschaftspolitik*, 9 (Special Issue), 2008, pp. 5-27.

[Education and Economic Growth: It's not Just Going to School but Learning That Matters](#). (with Dean T. Jamison, Elliot A. Jamison and Ludger Woessmann). *Education Next*, 8(2), Spring 2008, pp. 62-70.

[The Effects of Education Quality on Mortality Decline and Income Growth](#). (with Eliot A. Jamison and Dean T. Jamison). *Economics of Education Review*, 26(2), December 2007, pp. 772-789.

[The Single Salary Schedule and Other Issues of Teacher Pay](#). *Peabody Journal of Education*,

82(4), October 2007, pp. 574-586.

[The Alchemy of 'Costing Out' an Adequate Education.](#) In Martin R. West and Paul E. Peterson (eds.), *School Money Trials: The Legal Pursuit of Educational Adequacy*, Washington, D.C.: Brookings Institution Press, 2007, pp. 77-101.

[Education Quality and Economic Growth.](#) (with Ludger Woessmann). Washington, DC: World Bank, July 2007, 27 pages.

[Some U.S. Evidence on how the Distribution of Educational Outcomes can be Changed.](#) In Ludger Woessmann and Paul E. Peterson (ed.), *Schools and the Equal Opportunity Problem*, Cambridge, MA: MIT Press, 2007, pp. 159-190.

[The Confidence Men: Selling Adequacy, Making Millions.](#) *Education Next*, 7(3), Summer 2007, pp. 73-78.

[Charter School Quality and Parental Decision Making with School Choice.](#) (with John F. Kain, Steven G. Rivkin, and Gregory F. Branch). *Journal of Public Economics*, 91(5-6), June 2007, pp. 823-848.

[Pay, Working Conditions, and Teacher Quality.](#) (with Steven G. Rivkin). *Future of Children*, 17(1), Spring 2007, pp. 69-96.

[The Economic Benefits of Improved Teacher Quality.](#) In Nils C. Soquel and Pierre Jaccard (ed.), *Governance and Performance of Education Systems*, Dordrecht, Netherlands: Springer, 2007, pp. 107-135.

[Teacher Quality.](#) (with Steven G. Rivkin) in Eric A. Hanushek and Finis Welch (ed.). *Handbook of the Economics of Education, Volume 2, Amsterdam: North Holland*, 2006, pp. 1052-1078.

[School Resources.](#) In Eric A. Hanushek and Finis Welch (Ed.), *Handbook of the Economics of Education, Volume 2, Amsterdam: North Holland*, 2006, pp. 865-908.

[Is There Hope for Expanded School Choice?.](#) In Robert C. Enlow and Lenore T. Ealy, *Liberty and Learning: Milton Friedman's Voucher Idea at Fifty*, Washington, DC: Cato Institute, 2006, pp. 67-79.

[Alternative School Policies and the Benefits of General Cognitive Skills.](#) *Economics of Education Review*, 25(4), August 2006, pp. 447-462.

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