

CURRICULUM VITAE OF JULIAN BETTS

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Date of Birth Jan. 19, 1961
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1. WORK EXPERIENCE

2001-present Professor, Dept. of Economics, University of California, San Diego.
July 2008-June 2011 Chair, Dept. of Economics, University of California, San Diego.
1998-present Adjunct Fellow, Public Policy Institute of California, (San Francisco, California). (Visiting Fellow, 1998, Senior Fellow 1999-2007, Bren Fellow, 2009-2010 and 2011-2012).
2007-present Research Associate, National Bureau of Economic Research
2010-present Executive Director, The San Diego Education Research Alliance at UCSD (sandra.ucsd.edu)
2011-present Senior Research Affiliate, Center on Reinventing Public Education (CRPE) at the University of Washington
1997-present Affiliated Faculty, Graduate School of International Relations and Pacific Studies, University of California, San Diego.
1997-2001 Associate Professor, Dept. of Economics, University of California, San Diego.
1990-1997 Assistant Professor, Dept. of Economics, University of California, San Diego.
1987-1990 Research assistant, Dept. of Economics, Queen's University.

2. UNIVERSITY DEGREES

1986-1990 Ph.D in economics at Queen's University, Kingston, Ontario.
(Queen's) **Thesis title:** Technological Change and the Labour Market: Explorations in the Theory of Human Capital
Fields of specialization: Econometrics, Labor Economics and Technological Change.
1984-1986 M.Phil. degree in Economics at the University of Oxford.
(Oxford)

1979-1984
(McGill)

B.Sc. (Honours) in Chemistry at McGill University, Montreal, Quebec.

3. RESEARCH INTERESTS

Economics of Education, Labor Economics, Applied Econometrics, and Applied Microeconomics.

4a. PUBLICATIONS

- (2012), Betts, Julian R. and Richard C. Atkinson. “Better Research Needed on the Impact of Charter Schools,” *Science*, January 13: Volume 335 no. 6065 pp. 171-172.
- (2011), Betts, Julian R. and Y. Emily Tang. “**The Effect of Charter Schools on Student Achievement: A Meta-Analysis of the Literature**,” Bothell, WA: National Charter School Research Project, Center on Reinventing Public Education, available at www.ncsrp.org.
- (2011), Betts, Julian R., Youjin Hahn and Andrew C. Zau. **Does Diagnostic Math Testing Improve Student Learning?** San Francisco: Public Policy Institute of California.
- (2011), “The Economics of Tracking in Education”, in Hanushek, Eric A., Stephen Machin and Ludger Woessmann (Eds.), **Handbook of the Economics Of Education**, Volume 3, Amsterdam: North Holland, pp. 341-381.
- (2011), Koedel, Cory and Julian R. Betts, “Does Student Sorting Invalidate Value-Added Models of Teacher Effectiveness? An Extended Analysis of the Rothstein Critique”, *Education Finance and Policy*, (6:1), 18–42.
- (2010), Betts, Julian, Andrew C. Zau and Cory Koedel, **Lessons in Reading Reform: Finding What Works**, San Francisco: Public Policy Institute of California.
- Betts, Julian R (2010), “School Quality and Earnings”, in Peterson, Penelope, Eva Baker, Barry McGaw, (Eds.), **International Encyclopedia of Education**, Volume 2, pp. pp. 313-320. Oxford: Elsevier.
- (2010), Koedel, Cory and Julian R. Betts, “Value-Added to What? How a Ceiling in the Testing Instrument Influences Value-Added Estimation”, *Education Finance and Policy*, (5:1), 54-81.
- (2010), Julian R. Betts and Paul T. Hill (Eds.), **Taking Measure of Charter Schools: Better Assessments, Better Policymaking, Better Schools**, Lanham, MD: Rowman & Littlefield Publishers, Inc.
- (2010), Julian R. Betts and Paul T. Hill, “Through a Glass Darkly: An Introduction to Issues in Measuring the Quality of Charter Schools”, Chapter 1 in Paul T. Hill and Julian R. Betts (Eds.), **Taking Measure of Charter Schools: Better Assessments, Better Policymaking, Better Schools**, Lanham, MD: Rowman & Littlefield Publishers, Inc.
- (2010), Julian R. Betts, “The Effect of Attending Charter Schools on Achievement, Educational Attainment and Behavioral Outcomes: A Review”, Chapter 4 in Paul T. Hill and Julian R. Betts (Eds.),

Taking Measure of Charter Schools: Better Assessments, Better Policymaking, Better Schools, Lanham, MD: Rowman & Littlefield Publishers, Inc.

- (2010), Julian R. Betts, Y. Emily Tang, and Andrew C. Zau, “Madness in the Method? A Critical Analysis of Popular Methods of Estimating the Effect of Charter Schools on Student Achievement”, Chapter 2 in Paul T. Hill and Julian R. Betts (Eds.), **Taking Measure of Charter Schools: Better Assessments, Better Policymaking, Better Schools**, Lanham, MD: Rowman & Littlefield Publishers, Inc.
- (2010), Julian R. Betts, “The Selection of Students into Charter Schools: A Critical Issue for Research and Policy”, Chapter 5 in Paul T. Hill and Julian R. Betts (Eds.), **Taking Measure of Charter Schools: Better Assessments, Better Policymaking, Better Schools**, Lanham, MD: Rowman & Littlefield Publishers, Inc.
- (2010), Julian R. Betts and Paul T. Hill, “Conclusions about Charter School Policy and Research”, Chapter 11 in Paul T. Hill and Julian R. Betts (Eds.), **Taking Measure of Charter Schools: Better Assessments, Better Policymaking, Better Schools**, Lanham, MD: Rowman & Littlefield Publishers, Inc.
- (2009), Betts, Julian R., “The Competitive Effects of Charter Schools on Traditional Public Schools”, Chapter 11 in **Handbook of Research on School Choice**, Mark Berends, Matthew G. Springer, Dale Ballou, and Herbert Walberg (Eds.), New York: Routledge, pp. 195-208.
- (2009), Cory Koedel, Julian R. Betts, Lorien A. Rice, and Andrew C. Zau, “The Integrating and Segregating Effects of School Choice”, *Peabody Journal of Education*, (84:2), pp. 110-129.
- (2009), Philip Babcock and Julian R. Betts, “Reduced-Class Distinctions: Effort, Ability, and the Education Production Function”, *Journal of Urban Economics* (65), pp. 314-322.
- (2009), Julian R. Betts, “The San Diego Blueprint for Student Success: A Retrospective Overview and Commentary”, *Journal of Education for Students Placed at Risk*, (14:1), pp. 120-129.
- (2008), Julian R. Betts and Y. Emily Tang, **Value-Added and Experimental Studies of the Effect of Charter Schools on Student Achievement: A Literature Review**, Bothell, WA: National Charter School Research Project, Center on Reinventing Public Education, available at www.ncsrp.org.
- (2008), Julian R. Betts and Y. Emily Tang, “Charter Schools and Student Achievement: A Review of the Evidence”, in Robin J. Lake, (Ed.), **Hopes, Fears and Reality: A Balanced Look at Charter Schools in 2008**, Bothell, WA: National Charter School Research Project, Center on Reinventing Public Education, pp. 1-8, available at www.ncsrp.org.
- (2008), Zau, Andrew C., Julian R. Betts, **Predicting Success, Preventing Failure: An Investigation of the California High School Exit Exam**, San Francisco: Public Policy Institute of California.
- (2007), Julian R. Betts, “California: Does the Golden State Deserve A Gold Star?”, Chapter 3 in Frederick M. Hess and Chester E. Finn Jr. (Eds.) **No Remedy Left Behind: Lessons from a Half-Decade of NCLB**, Washington, D.C.: AEI Press, pp. 121-152.
- (2007), Julian R. Betts and John E. Roemer, “Equalizing Opportunity for Racial and Socioeconomic Groups in the United States Through Educational Finance Reform,” in Ludger Woessmann and Paul E. Peterson (Eds.) **Schools and the Equal Opportunity Problem**, Cambridge, MA: MIT Press.

- (2006), Paul T. Hill and Julian Betts, “Improving State and Local Assessments of Charter School Performance” Chapter 4 in Robin J. Lake and Paul T. Hill (Eds.) **Hopes, Fears, & Reality: A Balanced Look at American Charter Schools in 2006**, The National Charter School Research Project, Center on Reinventing Public Education, Seattle, WA: University of Washington, pp 37-47.
- (2006), The Charter School Achievement Consensus Panel (Principal Drafters Paul T. Hill and Julian Betts), **Key Issues in Studying Charter Schools and Achievement: A Review and Suggestions for National Guidelines**, Seattle, WA: The Centre on Reinventing Public Schools, University of Washington, downloadable from http://www.crpe.org/cs/crpe/view/csr_pubs/5.
- (2006), Julian R. Betts, Lorien A. Rice, Andrew C. Zau, Y. Emily Tang, and Cory R. Koedel, **Does School Choice Work? Effects on Student Integration and Achievement**, San Francisco: Public Policy Institute of California.
- (2005), Julian R. Betts, Andrew Zau and Kevin King, **From Blueprint to Reality: San Diego’s Education Reforms**, San Francisco: Public Policy Institute of California.
- (2005), Julian R. Betts and Tom Loveless, “School Choice, Equity, and Efficiency,” Chapter 1 in Julian R. Betts and Tom Loveless (Eds.) **Getting Choice Right: Ensuring Equity and Efficiency in Education Policy**, Washington, D.C.: Brookings Institution Press, pp. 1-13.
- (2005), Julian R. Betts, “The Economic Theory of School Choice,” Chapter 2 in Julian R. Betts and Tom Loveless (Eds.) **Getting Choice Right: Ensuring Equity and Efficiency in Education Policy**, Washington, D.C.: Brookings Institution Press, pp. 14-39.
- (2005), Julian R. Betts, Dan Goldhaber, and Larry Rosenstock, “The Supply Side of School Choice,” Chapter 4 in Julian R. Betts and Tom Loveless (Eds.) **Getting Choice Right: Ensuring Equity and Efficiency in Education Policy**, Washington, D.C.: Brookings Institution Press, pp. 61-84.
- (2005), Julian R. Betts, “The Promise and Challenge of Accountability in Public Schooling,” in Frederick M. Hess (Ed.) **Urban School Reform: Lessons from San Diego**, Cambridge, MA: Harvard Education Press, pp. 157-176.
- (2005), Andrew Zau and Julian R. Betts, “The Evolution of School Choice,” in Frederick M. Hess (Ed.) **Urban School Reform: Lessons from San Diego**, Cambridge, MA: Harvard Education Press, pp. 223-241.
- (2005), Julian R. Betts and Carolyn W.B. Lee, “Universities as Drivers of Regional and National Innovation: An Assessment of the Linkages from Universities to Innovation and Economic Growth”, in Charles M. Beach, Robin W. Boadway and R. Marvin McInnis (Eds.) **Higher Education in Canada**, Kingston, Ontario: Queen’s University: John Deutsch Institute, pp. 113-157.
- (2004), Julian R. Betts and Anne Danenberg, “San Diego: Do Too Many Cooks Spoil the Broth?”, in Frederick Hess and Chester Finn (Eds.), **Leaving No Child Behind? Options for Kids in Failing Schools**, New York: Palgrave MacMillan, pp. 213-238.
- (2004), Heather Rose and Julian R. Betts, “The Effect of High School Courses on Earnings”, *Review of Economics and Statistics*, (86:2), May, pp. 497-513.

- (2003), Julian R. Betts and Anne Danenberg, “The Effects of Accountability in California,” in Paul E. Peterson and Martin R. West, eds. **No Child Left Behind? The Politics and Practice of Accountability**, Washington, D.C.: Brookings Institution, pp. 197-212.
- (2003), Julian R. Betts, Andrew Zau and Lorien Rice, **Determinants of Student Achievement: New Evidence from San Diego**, San Francisco: Public Policy Institute of California.
- (2003), Julian R. Betts, “Discussion: Do State Governments Matter?,” in Yoland K. Kodrzycki, ed., **Education in the 21st Century: Meeting the Challenges of a Changing World**, Boston: Federal Reserve Bank of Boston.
- (2003), Julian R. Betts and Robert W. Fairlie, “Does Immigration Induce ‘Native Flight’ from Public Schools into Private Schools?,” *Journal of Public Economics*, (87:5-6), May, pp. 987-1012.
- (2003), Julian R. Betts and Jeff Grogger, “The Impact of Grading Standards on Student Achievement, Educational Attainment, and Entry-Level Earnings”, *Economics of Education Review*, (22:4), August, pp. 343-352.
- (2002), Julian R. Betts and Anne Danenberg, “School Accountability in California: An Early Evaluation”, in Diane Ravitch (Ed.), **Brookings Papers on Education Policy 2002**, (Washington, D.C.: The Brookings Institution), pp. 123-197.
- (2002), Julian R. Betts, **Critical Path Analysis of California’s S&T System: California’s K-12 Sector**, Irvine: California Council on Science and Technology.
- (2001), Julian R. Betts and Robert W. Fairlie, “Explaining Ethnic, Racial, and Immigrant Differences in Private School Attendance”, *Journal of Urban Economics*, (50:1), 26-51.
- (2001), Julian R. Betts, Cameron W. Odgers and Michael K. Wilson, “The Effects of Unions on Research and Development: An Empirical Analysis Using Multi-Year Data”, *Canadian Journal of Economics*, (34:3), pp. 785-806.
- (2001), Heather Rose and Julian R. Betts, **Math Matters: The Links between High School Curriculum, College Graduation, and Earnings**, San Francisco: Public Policy Institute of California.
- (2001), Julian R. Betts and Anne Danenberg, “Resources and Student Achievement: An Assessment”, in Jon Sonstelie and Peter Richardson, (Eds.), **School Finance and California’s Master Plan for Education**, San Francisco: Public Policy Institute of California, pp. 47-79.
- (2001), Julian R. Betts and Robert M. Costrell, “Incentives and Equity under Standards Based Reform”, in Diane Ravitch (Ed.), **Brookings Papers on Education Policy 2001**, (Washington, D.C.: The Brookings Institution), pp. 9-74.
- (2001), “The Impact of School Resources on Women’s Earnings and Educational Attainment: Findings from the National Longitudinal Survey of Young Women”, *Journal of Labor Economics*, (19:3), pp. 635-657.
- (2000), Julian R. Betts, **The Changing Role of Education in California**, San Francisco: Public Policy Institute of California.

- (2000), Julian R. Betts, Kim S. Rueben and Anne Danenberg, **Equal Resources, Equal Outcomes? The Distribution of School Resources and Student Achievement in California**, San Francisco: Public Policy Institute of California.
- (2000), Julian R. Betts and Magnus Lofstrom, “The Educational Attainment of Immigrants: Trends and Implications”, in George Borjas (Ed.), **Issues in the Economics of Immigration**, Chicago: University of Chicago Press for National Bureau of Economic Research, pp. 51-115.
- (2000), Julian R. Betts and Jamie L. Shkolnik, “Key Difficulties in Identifying the Effects of Ability Grouping on Student Achievement”, *Economics of Education Review*, (19:1), pp. 21-26.
- (2000), Julian R. Betts and Jamie L. Shkolnik, “The Effects of Ability Grouping on Student Math Achievement and Resource Allocation in Secondary Schools”, *Economics of Education Review*, (19:1), pp. 1-15.
- (1999), Julian R. Betts and Jamie L. Shkolnik, “The Behavioral Effects of Variations in Class Size: The Case of Math Teachers”, *Educational Evaluation and Policy Analysis*, Summer, (20:2), pp. 193-213.
- (1999), Julian R. Betts and Darlene Morell, “The Determinants of Undergraduate Grade Point Average: The Relative Importance of Family Background, High School Resources, and Peer Group Effects”, *Journal of Human Resources*, (34:2), pp. 268-293.
- (1998), **The Implications of Technological Change for Human Resource Policy**, *Canada in the 21st Century. II. Resources and Technology series*, Ottawa, Ontario: Industry Canada.
- (1998), “Educational Crowding Out: Do Immigrants Affect the Educational Attainment of American Minorities?”, in Daniel S. Hamermesh and Frank D. Bean (Eds.), **Help or Hindrance? The Economic Implications of Immigration for African-Americans**, New York: Russell Sage Foundation, pp. 253-281.
- (1998), “The Impact of Educational Standards on the Level and Distribution of Earnings”, *American Economic Review*, (88:1), pp. 266-275.
- (1998), “The Two-Legged Stool: The Neglected Role of Educational Standards in Improving America’s Public Schools”, *Economic Policy Review*, (4:1), pp. 97-116.
- (1997), Cameron Odgers and Julian R. Betts, “Do Unions Reduce Investment? Evidence from Canada”, *Industrial and Labor Relations Review*, (51:1), pp. 18-36.
- (1997), Julian R. Betts and Christopher Ferrall, “Policies for Improving Public Schools”, *Policy Options*, (18:6), pp. 35-39.
- (1997), "The Skill Bias of Technological Change in Canadian Manufacturing Industries", *Review of Economics and Statistics*, (79:1), pp. 146-150.
- (1996), “Do School Resources Matter Only for Older Workers?”, *Review of Economics and Statistics* (78:4), pp. 638-652.

- (1996), "Is There a Link between School Inputs and Earnings? Fresh Scrutiny of an Old Literature", in Gary Burtless (Ed.), **Does Money Matter? The Effect of School Resources on Student Achievement and Adult Success**, Washington, D.C.: Brookings Institution, pp. 141-191.
- (1996), "What do Students Know about Wages? Evidence from a Survey of Undergraduates", *Journal of Human Resources*, (31:1), pp. 27-56.
- (1995), "Does School Quality Matter? Evidence from the National Longitudinal Survey of Youth", *Review of Economics and Statistics*, (77:2), pp. 231-250.
- (1995), (with Laurel McFarland) "Safe Port in a Storm: The Impact of Labor Market Conditions on Community College Enrollments", *Journal of Human Resources*, (30:4), pp. 741-765.
- (1994), "Technological Change, Sectoral Shifts and the Distribution of Earnings: A Human Capital Model", *Economica*, (61:244), pp. 475-492.
- (1993), (jointly with Thomas H. McCurdy) "Sources of Employment Growth by Occupation and Industry in Canada: A Comparison of Structural Changes in the 1960's and 1970's", *Relations Industrielles/Industrial Relations*, (48:2), pp. 285-304.
- (1989), "Two Exact, Non-Arbitrary and General Methods of Decomposing Temporal Change", *Economics Letters*, (30), pp. 151-156.
- (1984), "Technology and the Third World: a Review of the Central Issues", in Mary Thornton and Jane Willms, (Eds.), **Science, Knowledge and Power**, Ottawa: CSP Publications.
- (1982), "The Protection of Privacy in a Computerized Society: the Case for Regulation", in Fraser Homer-Dixon and Anne Perkins, (Eds.), **Science in Society: its Freedom and Regulation**, Ottawa: CSP Publications.

4b. BOOK REVIEWS

- (1999), Review of Becker, William E. and William J. Baumol, "Assessing Educational Practices: The Contribution of Economics", *Economics of Education Review*, (18:4), pp. 476-477.
- (1998), Review of Hanushek, Eric A. and Dale W. Jorgenson, "Improving America's Schools: The Role of Incentives", *Journal of Economic Literature*, (36:2), pp. 963-964.
- (1997), Review of Arrow, Kenneth J., et al., "Education in a Research University", *Journal of Economic Literature*, (35:3), pp. 1392-1394.
- (1995), Review of Hanushek, Eric A. et al., "Making Schools Work: Improving Performance and Controlling Costs", *Issues in Science and Technology*, (11:3), pp. 85-87.
- (1988), "A Review of Leibenstein, H., Inside the Firm: the Inefficiencies of Hierarchy", *Canadian Journal of Economics*, (21:3), pp. 684-686.

4c. DISCUSSION PAPERS AND MANUSCRIPTS

- (2000), Julian R. Betts, Christopher Ferrall and Ross Finnie, “The Role of University Quality in Determining Post-Graduation Outcomes: Panel Evidence from Three Recent Canadian Cohorts”, Manuscript, Department of Economics, UCSD.
- (1999), Jamie L. Shkolnik and Julian R. Betts, “The Effects of Class Size on Teacher Time Allocation and Student Achievement”, Manuscript, Department of Economics, UCSD.
- (1998), Julian R. Betts, Christopher Ferrall and Ross Finnie, “The Transition to Work for Canadian University Graduates: Time to First Job, 1982-1990”, Manuscript, Department of Economics, UCSD.
- (1998), Julian R. Betts and Eric Johnson, “A Test for Diminishing Returns to School Spending”, Manuscript, Department of Economics, UCSD.
- (1997), “Do Grading Standards Affect the Incentive to Learn?”, Discussion Paper 97-22, Department of Economics, UCSD.
- (1996), “The Role of Homework in Improving School Quality”, Discussion Paper 96-16, Department of Economics, UCSD.
- (1995), “Which Types of School Spending are Most Effective? New Evidence on the School Quality Debate”, Discussion Paper 95-03, Department of Economics, UCSD.

5. OTHER PROFESSIONAL ACTIVITIES

- (2010-present) Member, U.S. Department of Education Institute of Education Sciences “Education Systems and Broad Reform” panel that adjudicates proposals to the Education Research Grant and Evaluation of State and Local Education Programs and Policies competitions. (Panel chair winter 2012.)
- (2010-2011), Member, Expert Committee, National Research Council “Highly Successful Schools or Programs For K-12 Stem Education: A Workshop”.
- (2007-present), Council Member, California Council on Science and Technology, mandated by state legislation to provide the state legislature and governor with policy advice on all issues related to science and technology policy in California.
- (2005-2008) One of 15 members appointed to the National Academy of Sciences (National Research Council) “Committee on Evaluation of Teacher Certification by the National Board for Professional Teaching Standards (NBPTS)”.
- (2006-2010) Member of the Technical Working Group for the federally funded project “Impact on Student Achievement of Teacher Professional Development Designed to Enhance Teacher Content

Knowledge and Pedagogical Content Knowledge in Math”, conducted by the American Institutes for Research (AIR).

- (2006-2009) Member, the California Collaborative on District Reform, hosted by AIR.
- (2005-present) Member, editorial board of *Education Finance and Policy*, published by MIT Press.
- (2005) Member, review panel for U.S. Department of Education’s Institute of Education Sciences that adjudicated the National Education Research and Development Center grants competition.
- (2004-present) Member, Technical Review Panel for the federally funded Longitudinal Study of No Child Left Behind and the Study of State Implementation of Accountability and Teacher Quality Provisions under NCLB.
- (2004-present) Member, the Expert Advisory Panel for the federally funded Impact Evaluation of the D.C. Choice Program.
- (2004-present) Member, Advisory Committee of the National Charter School Research Center at the University of Washington. Also a member of the Center’s Charter School Achievement Consensus Panel.
- (2002) One of 11 members appointed to the National Academy of Sciences (National Research Council) “Committee on Improving Measures of Access to Equal Educational Opportunity”. The Committee advised on ways of improving the Elementary and Secondary School Civil Rights Compliance Report and linking it to other existing surveys.
- (2001-2003) One of 14 members appointed to the National Working Commission on Choice in K-12 Education. The commission was headquartered at the Brookings Institution and funded mainly by the Bill and Melinda Gates Foundation.
- (1999, 2000) One of five members of the national Nominating Committee of the Association for Public Policy Analysis and Management (APPAM), which nominated a new President, Vice President and candidates for APPAM Policy Council for the 2000-2001 and 2001-2002 periods.
- (1998-2008) Member of the Board of Directors of the Preuss School @ UCSD. The Preuss School is a charter school on the UCSD campus that admits disadvantaged students from the local area. The school seeks to prepare these disadvantaged students for success in college by immersing them in an enriched college prep curriculum between grades 6 and 12.
- (1999) Member of national Advisory Board of CREDO (Center for Research on Education Outcomes), Stanford University. CREDO is a national center that seeks to improve the stock of empirical evidence on the impact of school reforms, in part by brokering evaluations between government entities and the research community.

- (2002) Member of the San Diego Achievement Forum, a non-partisan group of education researchers and higher education leaders that aims to provide the public with improved documentation on trends in performance in San Diego City Schools.

6A. PAPERS PRESENTED AT CONFERENCES OR OTHER DEPARTMENTS

- “Value-Added to What? How a Ceiling in the Testing Instrument Influences Value-Added Estimation”, American Educational Research Association, San Diego, CA, April 2009, Simon Fraser University, Burnaby, B.C., Canada, April 2009, Northwestern University May 2009.
- “Under the Obama Administration: Hope and Change in Education?” UCSD Economics Roundtable, April 2009, also shown on UCSD TV.
- “Charter Schools and Student Achievement: A Review of the Evidence”, presented at the panel discussion Hopes, Fears and Reality: A Balanced Look at Charter Schools in 2008, Washington, D.C., December 2008.
- Career and Technical Education in San Diego: Course Availability and Students’ Course-Taking Patterns, presented to Independent Advisory Panel for the National Assessment of Career and Technical Education, Washington, D.C., November 2008.
- Presentation on book **Predicting Success, Preventing Failure: An Investigation of the California High School Exit Exam**, California Department of Education, June 2008, Board of the San Diego Unified School District, June 2008, Board of Directors, Public Policy Institute of California, San Francisco, June 2008, CREATE, UCSD, November 2008, the Association for Public Policy Analysis and Management (APPAM), San Diego, CA, October 2008, American Educational Research Association, San Diego, CA April 2009.
- “School Accountability and School Choice: Magic Bullets or Just Two More Passing Fads?”, the San Diego Junto group hosted by Richard Atkinson, June 2008.
- Opening plenary speaker, Philanthropy Roundtable conference in Houston, Texas, on charter schools. Delivered the talk “Are Charter Schools Living Up to their Promise? A Hard Look at the Data,” September 2007. Also presented talk at High Tech High, San Diego, April 2008.
- The “Achievement Gap: How Do We Measure it? How Big is It? What Can be Done?” at the EdVoice Institute Symposium, Squaw Valley, CA, August 2007.
- “The Economic Case for (and Against) School Choice”, at the C.D. Howe Institute conference on School Choice, Toronto, ON, June 2007
- “Madness in the Method? A Critical Analysis of Popular Methods of Estimating the Effect of Charter Schools on Student Achievement,” American Educational Research Association, Chicago April 2006, University of Missouri, September 2007 and CREATE, UCSD, November 2007.
- “Does School Choice Work? Effects on Student Integration and Achievement,” presentation on the book in the following settings: briefing to senior district administrators, August 2006, California Research Bureau, Sacramento, CA, September 2006, California Institute for Federal Policy Research congressional briefing, Washington, D.C. September 2006, plus separate briefings for majority and minority staff of the House Ctee. on Education and the Workforce, the Education Policy Director for the Senate Ctee. on Health, Education, Labor, and Pensions, the Chief of Staff for the Office of Innovation and Improvement of the Dept. of Education, senior administrators at San Diego Unified School District, the President/Executive Director of the California Charter Schools Association, the California Secretary of Education. Also presented at the conference “Public School Choice in a Post-Desegregation World: What Have We Learned and Where Are We Going?” University of Connecticut, November 2007.

- Speaker at book release of “Getting Choice Right: Ensuring Equity and Efficiency in Education Policy,” (Eds. Julian Betts and Tom Loveless), Brookings Institution, January 2006.
- Presented a White Paper entitled “Key Issues in Studying Charter Schools and Achievement: A Review and Suggestions for National Guidelines” at a public event at the Brookings Institution, May 2006, on behalf of the Charter School Achievement Consensus Panel, of which Betts is a member.
- “From Blueprint to Reality: San Diego’s Education Reforms,” presentation on the book in the following settings: California Research Bureau, Sacramento, CA, October 2005; briefing provided to incoming San Diego Unified School District Superintendent Carl A. Cohn, October 2005; presentation to UCSD Resource Management Group, November 2005; joint meeting of the Committee for Economic Development (based in Washington D.C.) and the San Diego Business Roundtable for Education, held in San Diego, November 2005; presentation to students in the UCSD Human Development Program, November 2005; panel including responses by State Secretary of Education Alan Bersin, local school board members, Marshall Smith, director of the Education program at The William and Flora Hewlett Foundation, Leslie Fausset, former Deputy Superintendent SDUSD and current Superintendent of Solana Beach school district, at the annual conference of the California School Boards Association, December 2005; invited presentation at two-day retreat organized by PACE (Policy Analysis for California Education), involving senior Sacramento staffers and legislators, other policymakers and academics, March 2006.
- “An Overview of Recent Developments in the Economics of Education,” presented to UCSD Psychology Department colloquium, May 2006, and to Peabody College of Education, Vanderbilt University, April 2006.
- Presented paper “Re-Examining the Role of Teacher Quality In the Educational Production Function” with Cory Koedel at the Society of Labor Economists meeting in Boston, May 2006, and at the Education Advisory Council, Public Policy Institute of California meeting in Sacramento, CA June 2006.
- "Who Leaves and Why? An Analysis of School Choice Options in a Large Urban District", (with co-author Lorien Rice) presented at the meetings of the Association for Public Policy Analysis and Management (APPAM), Washington, D.C. November 2003.
- Too Many Cooks Spoil the Broth? The Implementation of No Child Left Behind in San Diego (with co-author Anne Danenberg) presented at the conference “Leaving No Child Behind? Options for Kids in Failing Schools,” American Enterprise Institute and Thomas B. Fordham Institute Washington, D.C., January 2004.
- “Universities as Drivers of Regional and National Innovation: An Assessment of the Linkages from Universities to Innovation and Economic Growth”, (with co-author Carolyn Lee) presented at the “Higher Education in Canada” conference at Queen’s University, Kingston, Ontario, February 2004.
- “Peer Groups and Academic Achievement: Panel Evidence from Administrative Data”, (with co-author Andrew Zau) presented at the Transatlantic Meetings of the Society of Labor Economists and the IZA (Institute for the Study of Labor), Buch am Ammersee, Germany, June 2004.
- “Equalizing Opportunity Through Educational Finance Reform”, presented at the conference Schooling and Human Capital Formation in the Global Economy: Revisiting the Equity-Efficiency Quandary, Munich, Germany, September 2004.
- Presented briefing “An Update on the San Diego Unified School District Research Program” at the Public Policy Institute of California Education Advisory Committee meeting in Sacramento, November 2003.
- “The Determinants of Student Achievement: New Evidence from San Diego” briefing to Social Science Dean’s Policy Lunch seminar, UCSD, March 2004.
- “The Role of Compulsory Education in Increasing Social Mobility” presented at a conference on social mobility hosted by Chancellor of the Exchequer Gordon Brown, Her Majesty’s Treasury, London, U.K., March 2004.
- “The Supply Side Response in Systems of School Choice” paper presented to meeting of the National Working Commission on Choice in K-12 Education at the Gates Foundation, Seattle (May 2003).

- ❑ “Peer Groups and Academic Achievement: Panel Evidence from Administrative Data”, (with co-author Andrew Zau) presented at the University of Texas, Dallas, November 2002, the annual meetings of the American Economic Association (January 2003) and Stanford University (March 2003).
- ❑ Presented update on the project “The Determinants of Student Achievement in San Diego”, at the meeting of the PPIC Board of Directors, San Francisco, California, September 2002.
- ❑ Co-presented “Achievement in San Diego City Schools: A Progress Report” at a public meeting of the San Diego Achievement Forum, October 2002.
- ❑ Presented summary of research at the “San Diego City Schools Reform Research Conference”, December 2002.
- ❑ “School Accountability California Style: An Analysis of Recent Trends in Achievement, School Resources and Intervention” (with co-author Anne Danenberg), presented at the conference “Taking Account of Accountability: Assessing Politics and Policy”, held at Harvard University in June 2002.
- ❑ “School Accountability in California: An Early Evaluation” (with co-author Anne Danenberg), presented at the Brookings Papers on Education Policy Conference on National Standards, Brookings Institution, Washington, D.C., May 2001.
- ❑ “Incentives and Equity under Standards-Based Reform” (with co-author Robert Costrell), presented at the Brookings Papers on Education Policy Conference on National Standards, Brookings Institution, Washington, D.C., May 15-16, 2000.
- ❑ “Educational Standards in America’s Public Schools: The Promise and the Challenges”, presented at the conference “Lessons from CUNY: A Forum on Clashing Visions of Higher Education”, sponsored by the Social Science Research Council Program on Higher Education, March 17-18, 2000, in New York.
- ❑ “Equal Resources, Equal Outcomes? The Distribution of School Resources and Student Achievement in California”, presented at the Fourth Annual Public Policy Institute of California Sacramento Forum, March 14, 2000, and the California Council on Science and Technology, Stanford University, July 18, 2000.
- ❑ “Explaining Ethnic, Racial, and Immigrant Differences in Private School Attendance”, (with co-author Robert Fairlie, U.C. Santa Cruz), presented at the annual meetings of the Association for Public Policy Analysis and Management (APPAM), Washington, D.C., November 1999.
- ❑ “Equalizing Opportunity through Educational Finance Reform”, (with co-author John Roemer, U.C. Davis), presented at the University of Texas, Austin, the University of California, Santa Cruz, the Bay Area Labor Economists workshop, the annual meetings of the Association for Public Policy Analysis and Management (APPAM), New York, October, 1998, and the North American Winter Meetings of the Econometric Society, New York, January 1999, Claremont Graduate University, April 1999, the Massachusetts Institute of Technology, May 1999, and the annual meetings of the Canadian Economic Association, Vancouver, June 2000, Stanford University, November 2001.
- ❑ “The Effects of Class Size on Teacher Time Allocation and Student Achievement”, (with co-author Jamie Shkolnik), presented at the Winter Meetings of the American Economic Association, New York, January 1999.
- ❑ “Is Public Education Fixable?”, panel presentation at “California’s Taxing Evolution: The Legacy of Prop. 13”, Tenth Annual Envisioning California Conference, Sacramento, California, September 1998.
- ❑ “Does Immigration Induce ‘Native Flight’ from Public Schools into Private Schools?” (with co-author Robert Fairlie, U.C. Santa Cruz), presented at the summer meetings of the Western Economic Association, June 1998, and the annual meetings of the Association for Public Policy Analysis and Management (APPAM), New York, October, 1998.
- ❑ “A Test for Diminishing Returns to School Spending”, presented at the Bush School of Government and Public Service, Texas A&M University, October 1997, McMaster University and York University, November 1997, the annual meetings of the Canadian Economics Association, Ottawa, Ontario, May 1998.

- “The Two-Legged Stool: The Neglected Role of Educational Standards in Improving America’s Public Schools”, presented at the World Bank series on the “Economics of Education” and at the Federal Reserve Bank of New York conference on “Excellence in Education”, November 1997.
- “The Educational Attainment of Immigrants: Trends and Implications” (with co-author Magnus Lofstrom), presented at the National Bureau of Economic Research Summer Institute, August 1997, the University of Washington and the University of California, Davis, May 1998, and the Winter Meetings of the American Economic Association, New York, January 1999.
- “The Skill Bias of Technological Change in Canadian Manufacturing Industries”, presented at the Productivity and Technological Progress sessions of the National Bureau of Economic Research Summer Institute, July 1996, and the meetings of the Canadian Economic Association, Montreal, Quebec, June 1995.
- “The Impact of School Resources on Women’s Earnings and Educational Attainment: Findings from the National Longitudinal Survey of Young Women”, presented at the Institute for Research on Poverty/Department of Labor/Department of Agriculture conference for grant-winners, Washington D.C., April 1996, the annual meetings of the Association for Public Policy Analysis and Management (APPAM), Pittsburgh, November 1996, and the North American Winter Meetings of the Econometric Society, New Orleans, January 1997.
- “The Role of Homework in Improving School Quality”, presented at the North American Winter Meetings of the Econometric Society, San Francisco, January 1996, the University of Kentucky, the University of Toronto and Queen’s University, April 1996, the University of Michigan, Michigan State University and the University of North Carolina, Chapel Hill, November 1996, the University of Oregon, January 1997.
- “Educational Crowding Out: Do Immigrants Affect the Educational Attainment of Minorities?”, presented at the Mellon Foundation conferences on immigration, Austin, Texas, November 1996 and Washington, D.C., April 1997.
- “Do School Resources Matter only for Older Workers?”, presented at Stanford University, March 1996, the Winter Meetings of the American Economic Association, San Francisco, January, 1996 and the Western Economic Association meeting, San Diego, July 1995.
- "Does Grade Inflation Reduce the Incentive to Learn?", presented at the North American Winter Meetings of the Econometric Society, and the Milken Institute for Job and Capital Formation, February 1995.
- "Is There a Link between School Inputs and Earnings? Fresh Scrutiny of an Old Literature", at the Conference on School Quality and Educational Outcomes, sponsored by the National Science Foundation and the Review of Economics and Statistics, held at Harvard, December 1994, the Milken Institute for Job and Capital Formation, February 1995, Stanford University, March 1996, the University of California-Davis, April 1996, and the annual meetings of the Canadian Economic Association, St. Catharine’s, Ontario, May 1996, Duke University and the Upjohn Institute, November 1996, the Federal Reserve Bank of New York, January 1997, the Canadian Institute for Advanced Research meeting at Stanford University, February 1997, the University of Virginia, April 1997, UCLA/RAND April 1997, UC-Riverside, May 1997.
- "Inside the Classroom: New Evidence on the School Quality Debate", presented at the North American Summer Meetings of the Econometric Society, Quebec, Canada, 1994.
- Invited speaker at a Brown Center Conference on "Do School Resources Matter?" at the Brookings Institution, June 1994.
- "What do Students Know about Wages? Evidence from a Survey of Undergraduates", presented at the Winter Meetings of the American Economic Association, Boston, Jan. 1994, and the Summer Research Workshop, Institute for Research on Poverty, University of Wisconsin, Madison, June 1995.
- "Does School Quality Matter? Evidence from the National Longitudinal Survey of Youth", presented at the University of Chicago, May 1994, the University of California, Santa Barbara, June 1994, the Labor Studies meeting, National Bureau of Economic Research, Cambridge, MA, July 1993, Summer Research Workshop, Institute for Research on Poverty, University of Wisconsin, Madison, June 1993,

Canadian Labour Economics Conference, Toronto, May 1993, and the Winter Meetings of the Econometric Society, Anaheim, California, Jan. 1993.

□ "Safe Port in a Storm: The Impact of Labor Market Conditions on Community College Enrollments", (co-authored with Laurel McFarland, Brookings Institution), presented at the July 1992 meetings of the Western Economic Association. Also presented at the RAND Corporation, Santa Monica, Oct. 1992 and the Annual Research Conference of the Association for Public Policy Analysis and Management, Denver, Oct. 1992.

□ "The Constraints of Finance: Federal Aid, Public Finance, and the Community College", (co-authored with Laurel McFarland, Brookings Institution), presented at the Jan. 1992 meetings of the American Economic Association.

□ "Technological Change and the Intra-Family Division of Labor", presented at the June 1991 meetings of the Canadian Economics Association.

□ "The Impact of Technological Change on the Labour Market in a Human Capital Model with Heterogeneous Workers", presented at the Annual Meetings of the Canadian Economics Association, June 1989

6B. TESTIMONY

□ "Have Inflows of Immigrants Diminished Natives' Educational Attainment? A Review", testimony delivered by Julian Betts to the U.S. House Judiciary Committee, Subcommittee on Immigration and Claims, March 11, 1999.

7. GRANTS, COMMISSIONS AND AWARDS

Unless noted otherwise, Betts is the sole Principal Investigator of the following.

2011-2012 Bren Fellowship, Public Policy Institute of California.

2011 "The Impact of the California High School Exit Examination on Student Outcomes," grant funded by the Public Policy Institute of California.

2009-2010 One of two inaugural holders of the Bren Fellowship, Public Policy Institute of California.

2008 "Spirit of Preuss Community Award", Preuss School, UCSD.

2007-2012 "Career and Technical Education in San Diego," contract funded by the U.S. Department of Education, as part of the National Assessment of Career and Technical Education.

2008-2012 "An Evaluation of the Mathematics Diagnostic Testing Project Using Evidence from San Diego", contract funded by The California Academic Partnership Program.

2007-2008 "Distant Early Warning: An Investigation into Methods for Predicting, Explaining and Reducing Rates of Student Failure on the California High School Exit Exam", the William and Flora Hewlett Foundation, via the Public Policy Institute of California.

2006-2013 “Evaluation of Conversion Magnet Schools”. Principal Investigator of a multi-year project funded by the U.S. Department of Education. Work is being done in conjunction with the American Institutes for Research and Berkeley Policy Associates.

2005-2007 “San Diego’s Blueprint for Student Success at Year Five: An Evaluation of Impact on Student Outcomes”, The Bill and Melinda Gates Foundation and the William and Flora Hewlett Foundation.

2003-2005 “Does School Choice Work? The Impact of Public School Choice Programs on Student Achievement”, the Smith Richardson Foundation grant to PPIC and UCSD, with supplementary grants from the Girard Foundation and PPIC.

2002-2004 “The Determinants of Reading Achievement in San Diego: A Study of the Impact of the ‘Blueprint for Student Success’”, the Hewlett Foundation and the Atlantic Philanthropies (grant to PPIC with UCSD as subcontractor).

2002 “Planning Grant for the Proposal: What Determines Student Achievement? Further Evidence from San Diego”, contract funded by the Public Policy Institute of California.

2002 Commissioned by the Program on Education Policy and Governance, Harvard University, to write (with Anne Danenberg) a paper on school standards and accountability in California.

2001 Commissioned by the Brookings Institution to write (with Anne Danenberg) a paper on school accountability in California.

2000-2001 “A Critical Path Analysis of California's K-12 Sector”, grant funded by the California Council on Science and Technology.

2000 Commissioned by the Brookings Institution to write (with Robert Costrell) a paper on equity and efficiency issues related to educational standards.

2000-2001 “Student Achievement in San Diego”, grant funded by the Public Policy Institute of California.

2000 Commissioned by the Social Sciences Research Council to write a paper on the economics of educational standards.

1999-2000 “Equal Resources, Equal Outcomes? The Distribution of School Resources and Student Achievement in California”, (joint with Anne Danenberg and Kim Rueben, Public Policy Institute of California), grant funded by the Public Policy Institute of California.

1999-2000 “Has Curriculum Closed the Test Score Gap?”, (joint with Heather Rose, University of California, San Diego), grant funded by the Public Policy Institute of California.

1997-1999 “The Impact of Grading Standards on the Early Labor Market Success of American Youth”, (joint with Jeff Grogger, the University of California, Los Angeles), grant funded by the American Educational Research Association, which receives funding from the National Science Foundation and the National Center for Education Statistics.

- 1998 “The Changing Role of Education in California’s Labor Market”, grant funded by the Public Policy Institute of California.
- 1998-2000 “Mending the Leaky Pipeline: The Role of Curriculum in Determining Levels and Variations in Student Achievement”, (joint with Heather Rose, University of California, San Diego), grant funded by the Public Policy Institute of California.
- 1998 Commissioned by the World Bank to write a short paper on the economics of school quality.
- 1997-2001 “The Relative Merits of Different Educational Reforms from the Point of View of Equality of Opportunity”, (joint with John Roemer, the University of California, Davis), grants funded through Berkeley by the John D. and Catherine T. MacArthur Foundation and by the Public Policy Institute of California.
- 1997-1998 “School Quality and the American Labor Force”, grant funded by the W.E. Upjohn Institute for Employment Research.
- 1997-1999 “Immigrants, Natives, and the Choice between Public and Private Schools: Evidence from California”, (joint with Robert Fairlie, the University of California, Santa Cruz), grant funded by the Public Policy Institute of California.
- 1997-98 Commissioned to write a paper for the National Bureau of Economic Research on the subject of immigration and education.
- 1997 Commissioned to write a paper for the Federal Reserve Bank of New York on the subject of educational standards.
- 1996-97 Commissioned to write a paper for the Andrew W. Mellon Foundation as part of a project on the implications of immigration for African-Americans and other racial-ethnic minorities.
- 1996 Commissioned to write a report for Industry Canada on “Technology and Human Resources” as part of a project designed to help Industry Canada develop a vision of emerging policy issues and responses over the next fifteen years.
- 1995-96 “Does High School Spending Contribute to Adult Achievement? Evidence from the National Longitudinal Surveys”, grant funded by the Bureau of Labor Statistics, U.S. Department of Labor, through the Institute for Research on Poverty, University of Wisconsin, Madison.
- 1996-97 “The Role of University Quality in Determining Post-Graduation Outcomes: Panel Evidence from Three Recent Canadian Cohorts”, (joint with Christopher Ferrall, Queen’s University and Ross Finnie, Statistics Canada/Carleton University), grant funded by Statistics Canada.
- 1995-96 “Incentives and Grading Standards: New Evidence on the Determinants of School Quality”, grant funded by the American Educational Research Association, which receives funding from the National Science Foundation and the National Center for Education Statistics.

- 1995-98 “School Quality, Educational Attainment, and Success in the Labour Market”, (joint with Christopher Ferrall, Queen’s University and Ross Finnie, Statistics Canada/Carleton University), Strategic Grant funded by the Social Sciences and Humanities Research Council of Canada.
- 1995-96 “The Determinants of Undergraduate Success: Econometric Models of Student Performance at UCSD”, (joint with Darlene Morell, UCSD), Chancellor’s Associates Grant, UCSD.
- 1994 Commissioned by the Brookings Institution to write a chapter for the book “Does Money Matter? The Effect of School Resources on Student Achievement and Adult Success”.
- 1993 UCSD Chancellor's Summer Faculty Fellowship, granted for work on "The Determinants of School Quality".
- 1991-94 "An Econometric Model of Technological Change, the Sectoral Allocation of Labor and Wage Dispersion", grant from the Social Sciences and Humanities Research Council of Canada.
- 1991-96 UCSD, Committee on Research Grants, 1991-96.
- 1991 Curtis Prize for best doctoral dissertation in Economics, Queen's University.

8. SCHOLARSHIPS

- 1988-90 Ontario Graduate Scholarship, held at Queen's University.
- 1987-1988 Doctoral Scholarship, Social Sciences and Humanities Research Council, held at Queen's University.
- 1986-1987 E.G. Bauman Fellowship, Queen's University.
- 1984-1986 Commonwealth Scholarship, held at Oxford University, England.