ELI BERMAN

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Education

Harvard University, Ph.D., Economics, 1993 Hebrew University, Jerusalem, M.A., Economics, 1989 Hebrew University, Jerusalem, B.A., Computer Science and Economics, 1987

Appointments

Professor of Economics, UC San Diego, 2010-present

Professor, School of Global Policy and Strategy, UC San Diego, 2013-present

Institute on Global Conflict and Cooperation, University of California, Research Director for International Security Studies, 2006-present

Co-Director (founding), Policy Design and Evaluation Laboratories, UCSD, 2013

Affiliated Faculty, Political Science Department, UC San Diego

Associate Professor of Economics, UC San Diego 2003-2010

Mitchell Associate Professor of Sustainable Development, Rice University 2002-2003

Visiting Professor, Rice University, 2001-2002

Associate Professor (with tenure), Boston University, 2001-2002

Assistant Professor, Boston University, 1993-2001

Affiliations

Board member (founding), Economics of National Security Association, 2013-present Faculty Fellow, Association for Analytic Learning about Islam and Muslim Societies (AALIMS), 2012-present

Affiliated Faculty, Department of Political Science, UC San Diego, 2012-present

Affiliate, Center for Effective Global Action, 2011-present

Affiliated Faculty, Graduate School of International Relations and Pacific Studies, UC San Diego 2007-2013

Research Associate, National Bureau of Economic Research (Programs in Labor Studies, Productivity, Children, National Security), 2001-present

Faculty Research Fellow, National Bureau of Economic Research, 1994-2001

American Economic Association, 1994-present

Honors and Awards

National Bureau of Economic Research Sloan Fellow, Fall 1999

Sloan Doctoral Dissertation Fellowship, 1992-93

Perlman Scholarship, 1991-92

Harvard Prize Fellowship, 1989-91

Foerder Scholarship, 1987-89

Teaching

Econometrics (PhD., M.A., B.A.) Labor Economics (Ph.D.) Environmental Economics (B.A.) Introduction to Economics Development Economics (Ph.D.) Economics of the Middle East (B.A.)

Publications

Refereed Publications

- "The Empiricists' Insurgency," (with Aila M. Matanock), *Annual Review of Political Science*, Vol 18: 443-464, (May 2015).
- "Modest, Secure and Informed: Effective Development in Conflict Zones," (with Joseph Felter, Jacob Shapiro and Erin Troland), *American Economic Review Paper and Proceedings*, Vol. 103 No. 3 (May 2013), 512-17.
- "Can Hearts and Minds be Bought? The Economics of Counterinsurgency in Iraq." (with Jacob Shapiro and Joseph Felter), *Journal of Political Economy*, Vol. 119, No. 4 (October 2011), 766-819.
- "Do Working Men Rebel? Unemployment and Insurgency in Afghanistan, Iraq, and the Philippines." (with Jacob Shapiro, Joseph Felter and Michael Callen), *Journal of Conflict Resolution*, August 2011 vol. 55 no. 4 496-528.
- "Religion, Terrorism and Public Goods: Testing the Club Model." (with David Laitin), *Journal of Public Economics* 92(10-11), 1942-1967, (2008).
- "Religious Extremism: the good, the bad and the deadly." (with Laurence R. Iannaccone), *Public Choice*, 128(1-2), 109-129, (2006).
- "Is Skill-Biased Technological Change Here Yet: Evidence from Indian Manufacturing in the 1990s." (with Rohini Somanathan and Hong Tan), *Annales d'Economie et de Statistique 79/80*, 2006.
- "Language-Skill Complementarity: Estimated Returns to Immigrant Language Acquisition." (with Kevin Language Acquisition), *Labour Economics*, 10 (3), (June 2003) 265-290.
- "Environmental Regulation and Productivity: Evidence from Oil Refineries." (with Linda Bui), Review of Economics and Statistics, August 2001.
- "Environmental Regulation and Labor Demand: Evidence from the South Coast Air Basin." (with Linda Bui), *Journal of Public Economics*, February 2001. (Reprint in *Spatial Aspects of Environmental Policy*, Geoghegan and Gray (eds.), (London: Ashgate, 2006).)
- "Kat, Subsidya veKorban: Hashkafato shel Kalkalan al haYehadut haHaredit." *The Economic Quarterly* (Hebrew translation of "Sect, Subsidy and Sacrifice") 2001.
- "Skill-Biased Technology Transfer Around the World." (with Stephen Machin). Oxford Review of Economic Policy 16(3), Fall 2000.
- "Sect, Subsidy and Sacrifice: An Economist's View of Ultra-Orthodox Jews." *Quarterly Journal of Economics*, August 2000.
- "Korbanot Mesubsadot: Tmichat HaMedina beDat beYisrael." *The Economic Quarterly* (Hebrew translation of "Subsidized Sacrifice...") June 2000.
- "Subsidized Sacrifice: State Support of Religion in Israel." Contemporary Jewry, Volume 20, 1999.
- "Implications of Skill-Biased Technological Change: International Evidence." (with John Bound and Stephen Machin), *Quarterly Journal of Economics* 113(4) November, 1998.

- "Help Wanted, Job Needed: Estimates of a Matching Function from Employment Service Data." *Journal of Labor Economics*, vol 15, no. 1, part 2. January 1997, S251-S292.
- "Changes in the Demand for Skilled Labor within U.S. Manufacturing Industries: Evidence from the Annual Survey of Manufactures." (with John Bound and Zvi Griliches), *Quarterly Journal of Economics*, May 1994.

Book

Radical Religious and Violent: The New Economics of Terrorism. Cambridge: MIT Press, October 2009.

Book Reviews: New York Times, Financial Times, New Yorker, Milken Institute Review, Brennan Center for Justice at NYU Law Website, IP Global, Choice, Ottawa Citizen, San Diego Union Tribune, Canadian Broadcasting Corporation (CBC): The Current, Journal for the Scientific Study of Religion, Jahrbücher für Nationalökonomie und Statistik, Enjeux Les Echos, and Security Management.

Reviews and Other Publications (* cited papers)

- "How empirical studies of political violence (can) help policymakers." (with Joseph Felter, Ethan B. Kapstein and Jacob Shapiro) Washington Post Monkey Cage, March 16, 2015.
- "The Super Smart Way to Dismantle ISIS." (with Jacob Shapiro and Joseph Felter) *The National Interest*, February 27, 2015.
- "Aid for Peace: Does Money Buy Hearts and Minds?" (with Jacob Shapiro and Joseph Felter) Foreign Affairs.com, January 21, 2015.
- "Constructive Coin: How Development Can Fight Radicals." (with Jacob Shapiro and Joseph Felter) Foreign Affairs.com, June 1, 2010.
- "Radical, Religious and Violent: Eli Berman tackles terrorism with economics." Milken Institute Review, 12 (2) (2010).
- "Response to Adrian Guelke." Critical Studies on Terrorism, 2 (2) (2009).
- "The Economics of Religion." (with Laurence Iannaccone) *The New Palgrave Encyclopedia of Economics*, 2nd edition, edited by L. Blume and S. Durlauf. Basingstoke: Palgrave Macmillan, 2008.
- Book Review (with David Laitin): Bloom, Mia (2005) *Dying to Kill*, Gambetta, Diego, ed. (2005) *Making Sense of Suicide Missions*, and Pape, Robert A. (2005) *Dying to Win: The Strategic Logic of Suicide Terrorism*, for *Perspectives on Politics* (2007).
- Globalization, Skill-Biased Technological Change and Labour Demand (with Stephen Machin) in *Globalization, Employment and Poverty Reduction*, edited by Lee, Eddy and Marco Vivarelli. International Labour Office, Geneva, 2004.
- Review of "The Employment Impact of Innovation: Evidence and Policy," in *Journal of Economic Literature*, edited by Marco Vivarelli and Mario Pianta. December 2001.
- "Skill Biased Technological Change and the Structure of Employment." (with Stephen Machin) Economic Approaches to Innovation, edited by S. Dowrick. Edward Elgar, Brookfield, July 1995.
- "Defence, Growth and Highly Skilled Labor." (with Ariel Halperin) *Industrial Technological Policy for Israel*, edited by David Brodet, Justman M. & Teubal M., Jerusalem, 1991 (Hebrew).*

Other Papers (*cited papers)

- "Predation, Taxation, Investment and Violence: Evidence from the Philippines." (with Joseph Felter, Ethan Kapstein, and Erin Troland), NBER WP #19266, August 2013.
- "From Empty Pews to Empty Cradles: Fertility Decline Among European Catholics." (with Laurence R. Iannaccone and Giuseppe Ragusa), NBER WP #18350, August 2012.*

- "Do Fair Elections Enhance Legitimacy? Experimental Evidence from Afghanistan." (with Michael Callen, Clark Gibson and James D. Long), August 2012.
- "Hard Targets: Evidence on the Tactical Use of Suicide Attacks." (with David Laitin), December 2006.*
- "Hamas, Taliban and the Jewish Underground: An Economist's View of Radical Religious Militias." July 2005.*
- "How Many Radical Islamists? Evidence from Africa and Asia." (with Ara Stepanyan), July 2003.*
- "Zvi Griliches and Labor Economics: A Personal Perspective." American Economic Association presentation, January 2002.
- "Does Factor-Biased Technological Change Stifle International Convergence? Evidence from Manufacturing." NBER WP #7964, October 2000.*
- "Skill-Biased Technology Transfers: Evidence on the Factor Bias of Technological Change in Developing and Developed Countries." (with Stephen Machin), February 2000.**
- "Fertility, Migration and Altruism." (with Zaur Rzakhanov), NBER WP #7545, February 2000.*
- "Human Capital Investment and Nonparticipation: Evidence from a Sample with Infinite Horizons." (with Ruth Klinov), Falk Institute Discussion Paper #97.05, Jerusalem, May 1997.*
- "Clearing the Air." (with Linda Bui), Washington DC: Economic Policy Institute, 1997.*
- "Errors in Variables in Median Regression." Harvard University, mimeo, 1991.
- "Highly Skilled Labor and Growth in Israeli Industry." Maurice Falk Institute, DP #90.04, 1990.

Grants

- US Institute of Peace, "Empirical Studies of Conflict Meeting," 2016.
- Development Innovation Lab, UC Berkeley (USAID), "Mobile-phone Based Defined Contribution Accounts," 2015.
- US Institute of Peace, "Stabilization and Development in Insecure Spaces—An Empirical Studies of Conflict Meeting," 2015.
- Development Innovation Lab, UC Berkeley (USAID), "Empowering Homegrown Community Monitors," 2014-2015.
- Department of Defense Minerva Research Initiative, "Deterrence with Proxies," 2014-2019.
- National Science Foundation, "Empirical Studies of Conflict Annual Meeting," 2014-2015.
- US Institute of Peace, "Effective Development in Conflict Zones—An Empirical Studies of Conflict Meeting," 2014.
- USAID Higher Education Solutions Network, "Development Impact Lab," co-PI with Gordon Hanson and Craig McIntosh, 2013-2017.
- Agricultural Technology Adoption Initiative, "Coordinating Farmers with Cellphones: Technology Innovation in Livestock Extension Services in Pakistan," with Michael Callen, 2013-2015.
- Consortium on Financial Systems and Poverty, "Mobile Salary Payments," 2012-2013.
- National Science Foundation, "Transforming Security Research Workshop," 2012-2013.
- UC Lab Fees Research Program, "Punjab Model: Using Cell Phones to Reduce Corruption," with Michael Callen, 2012-2014.
- Department of Homeland Security, National Center for Risk and Economic Analysis of Terrorism Events, "Economic and Decision Models of Terrorist Enterprises," 2011-2012.
- International Growth Centre, "Monitoring the Monitors: Using ICT to improve government monitoring in Punjab, Pakistan," co-PI with Michael Callen, 2011.
- Office of Naval Research, "The Economics of Counterinsurgency in the Philippines," with Ethan Kapstein, 2011-2016.

- National Science Foundation, "RAPID: Collaborative Researcher: The Impact of Trauma on Economic Preferences," co-PI with James Andreoni and Charles Sprenger, 2011.
- UCSD Research Committee of the Academic Senate, "Essays in Conflict, Governance, and Development," 2011.
- National Science Foundation, "Workshop on the Political Economy of Terrorism and Insurgency," 2009-2011.
- Department of Defense Minerva Research Initiative, "Terrorism, Governance and Development" co-PI with Jacob Shapiro, Joseph Felter, David Laitin, and Jason Lyall, and Jeremy Weinstein, 2009-2015.
- Department of Homeland Security, National Center for Risk and Economic Analysis of Terrorism Events, "Models of Counterterrorism," Lead an interdisciplinary project with six collaborating investigators at six universities. PI on two projects: "Rational Peasants and Clubs Iraq," with Jacob Shapiro and Joseph Felter and "Rational Peasants and Clubs Expert Survey," with David Laitin and Victor Asal, 2008-2010.
- Ford Foundation, "US-China-Africa Conference on Aid and Development in Africa," with Susan Shirk, 2008.

Embassies of Japan in Israel, "Palestine Movement and Access Report," 2008.

Earhardt Foundation, "Social Science Research on Terrorism," conference grant 2007.

Department of Homeland Security, "The Ecology of Terrorism," with David Laitin, 2007.

National Science Foundation, "Religiosity and Fertility Decline Among European Catholics," with Laurence Iannaccone, 2005-2012.

National Science Foundation, "Religious Radicals and Fertility, An Economic Approach," 2002. International Labor Organization, "Skill-Biased Technology Transfer and Globalization," 2002. World Bank "Is Skill-Biased Technological Change Here Yet?" 2001.

Jerusalem Institute for Israel Studies, "An Economist's View of Ultra-Orthodox Jews," 1998. National Science Foundation, "Environmental Regulation and Productivity," with Linda Bui, 1998. Falk Institute, "Child Allowances and Labor Supply," 1998.

Falk Institute, "Immigration and Fertility," 1997.

Economic Policy Institute, "'Clearing the Air', Implications of Environmental Regulation for the Economy and the Environment, Evidence from the South Coast Air Basin," with Linda Bui, 1996.

Sloan Industrial Technology and Productivity Project, "Environmental Regulation and Productivity," with Linda Bui, 1996.

Canadian Employment Research Foundation, "Environmental Regulation and Labor Demand," with Linda Bui, 1995.

National Science Foundation, "Environmental Regulation and Labor Demand," with Linda Bui, August 1995.

Professional Service

Journal Referee, American Economic Review, American Political Science Review, Canadian Journal of Economics, Demography, Economic Review, Economic Development and Cultural Change, Economic Inquiry, Economic Journal, European Economic Review, Environmental and Natural Resource Economics, European Economic Review, Industrial and Labor Relations Review, International Economic Review, Israel Economic Quarterly, Journal for the Scientific Study of Religion, Journal of the American Statistical Association, Journal of Business and Economic Statistics, Journal of Development Economics, Journal of Economics, Literature, Journal of Environmental Economics and Management, Journal of International Economics, Journal of the Japanese and International Economy, Journal of Labor Economics, Journal of

Macroeconomics, Journal of Monetary Economics, Journal of Policy Analysis and Management, Journal of Politics, Journal of Political Economy, Journal of Productivity Analysis, Journal of Public Economics, Labour Economics, Political Science Quarterly, Population Economics, Quarterly Journal of Economics, RAND Journal of Economics, Resource and Energy Economics, Review of Economics and Statistics, Review of Economic Studies, Review of Income and Wealth, Scandinavian Journal of Economics, Social Science Quarterly, Sociology of Religion, World Bank Economic Review.

Granting Agency Referee, Dept. of Homeland Security Center for Risk and Evaluation of Terrorist Events, Falk Institute, Israel Science Foundation, National Science Foundation, Social Science Research Council, Templeton Foundation.

Associate Editor, Journal of Productivity Analysis, 2003-2010.

Program Committee, Society of Labor Economics, 1999.

Coordinated the establishment of the *Griliches Prize in Empirical Economics* by the *Quarterly Journal of Economics* and the *Journal of Political Economy*, September 1999.

Board Member, Boston Research Data Center Advisory Board, United States Bureau of the Census, 1996-1998.

UCSD Service

Multidisciplinary Research Working Group, 2014/15

"Economic Activity and Violence: Evidence from the Philippines, Iraq, and Afghanistan." Osher Institute for Lifelong Learning. La Jolla, CA. June 2013.

"Economic Development in Conflict Zones." UC San Diego Pat Ledden Memorial Faculty Luncheon. La Jolla. May 14, 2013.

Provost Search Committee, Sixth College, 2011.

"Does Economic Development Reduce Conflict in Iraq? In Afghanistan? How?" UCSD Alumni Weekend: Inspiring Minds, La Jolla, CA. June 2011.

"Radical, Religious and Violent: Economics, Terrorism and Insurgency." UCSD Supper Club, La Jolla, CA. May 2011.

"Radical, Religious and Violent". Osher Institute for Lifelong Learning, La Jolla, CA. October 2010. Institute for International, Comparative, and Area Studies (IICAS) - UCSD, Advisory Committee, 2004-2007.

UCSD Middle East Studies Program, 2003-2007.

Workshops and Conferences Organized

Stabilization and Development in Insecure Spaces, an Empirical Studies of Conflict Workshop, US Institute of Peace, May 22-22, 2015.

Effective Development in Conflict Zones, an Empirical Studies of Conflict Workshop, UC San Diego, May 29-30, 2014.

Transforming Security Research Workshop (with Sir Lawrence Freedman), National Science Foundation, Arlington, VA. February 26-28, 2013.

Evaluating Mobile Innovations for Security and Accountability, UC San Diego. June 8-9, 2012.

Governance, Development, and Political Violence Workshop, UC San Diego. June 19-25, 2011.

Governance, Development, and Political Violence Workshop, UC San Diego. June 22-28, 2009.

The Political Economy of Terrorism and Insurgency, UC San Diego. June 26-28, 2009.

Responses to Political Violence and the Growth of Anti-Americanism, Stanford University, Palo Alto, CA. May 21-23, 2008.

Terrorist Organizations: Social Science Research on Terrorism, UC San Diego. May 5-7, 2007.

Recent Invited Presentations

- "Community monitors vs. leakage: Experimental evidence from Afghanistan," Hebrew University Department of Economics Seminar, Jerusalem, June 3, 2015.
- "Expanding Governance as Development: Evidence on Child Nutrition in the Philippines," Empirical Studies of Conflict Annual Meeting, Washington, DC, May 21, 2015.
- "Development and Conflict: Governance in Risky Places," Annual Meeting on the Economics of Risky Behaviors, Izmir, Turkey, May 15, 2015.
- "Lessons from a Decade of War What Worked and What Didn't in Iraq and Afghanistan," Congressional Senior Staff roundtable series, Washington, DC, April 17, 2015.
- "Confronting ISIS" for UCSD alumni, admitted students, and donors, UC Washington Center, Washington, DC, April 16, 2015.
- "Community Monitors vs. Leakage: Experimental Evidence from Afghanistan," Pacific Conference for Development Economics, La Jolla, CA, March 21, 2015.
- "Expanding Governance as Development: Evidence on Child Nutrition in the Philippines," Pacific Conference for Development Economics, La Jolla, CA, March 21, 2015.
- "Expanding Governance as Development: Evidence on Child Nutrition in the Philippines," American Economic Association, Boston, MA, January 4, 2015.
- "Predation, Taxation, Investment and Conflict: International Evidence" International Agricultural Trade Research Consortium (IATRC), lunch keynote, San Diego, CA, December 7, 2014.
- "Predation, Taxation, Investment, and Violence: Evidence from the Philippines," Georgia Tech, October 24, 2014.
- "Predation, Taxation, Investment, and Violence: Evidence from the Philippines," University of Washington, October 13, 2014.
- "Modest, Secure and Informed," US Agency for International Development, September 30, 2014.
- "Deterrence with Proxies," briefing for U.S. Security Coordinator for Israel and the Palestinian Authority, USSC Mission Review (via teleconference), July 9, 2014.
- "Religion and Conflict," Workshop on Economics & Religions, University of Toulouse, France, June 6, 2014.
- "Election Fairness and Government Legitimacy in Afghanistan," Economic Workshop at IDC Herzliya, Israel. June 2, 2014.
- "Modest, Secure and Informed: Successful Development in Conflict Zones," Defense and Security Economics Workshop, Carleton University, Ottawa, Canada, November 8, 2013.
- "Do Fair Elections Enhance Government Legitimacy? Experimental Evidence from Afghanistan" University of Toronto Department of Economics. November 7, 2013.
- "Development and Conflict Research", Center for Behavior, Evolution, and Culture Series, UCLA, October 21, 2013
- "Conflict and Development Strategy" Workshop Panelist, Texas A&M and USAID Higher Education Solutions Conference, Washington, DC, April 24, 2013.
- "Modest, Secure and Informed: Successful Development in Conflict Zones", Program on Order, Conflict, and Violence, Yale University, April 23, 2013.
- "Religion, Terrorism, Governance and Violence", Association for the Study of Religion, Economics, and Culture, Washington, DC, April 13, 2013.
- "Religion, Terrorism, Governance and Violence", Conference on Political Economy of the Muslim World, Association for Analytical Learning about Islam and Muslim Societies, Rice University, April 6, 2013.
- "Economics of Insurgencies" (with Jacob Shapiro), Joint Staff Pakistan Afghanistan Coordination Cell, Pentagon, February 26, 2013.

- "Economics of Insurgencies" (with Jacob Shapiro), USAID, Washington, DC, February 26, 2013.
- "Predation, Economic Activity and Violence: Evidence from the Philippines," International Food Policy Research Institute, Addis Ababa, Ethiopia, November 8, 2012.
- "Predation, Economic Activity and Violence: Evidence from the Philippines," Ethiopian Development Research Institute, Addis Ababa, Ethiopia, November 1, 2012.
- "Predation, Economic Activity and Violence: Evidence from the Philippines," LUISS University, Rome, Italy, October 11, 2012.
- "Predation, Economic Activity and Violence: Evidence from the Philippines," Einaudi Institute for Economics and Finance, Rome, Italy, October 10, 2012.
- "Predation, Economic Activity and Violence: Evidence from the Philippines," Department for International Development, London, October 3, 2012.
- "Predation, Economic Activity and Violence: Evidence from the Philippines," University of Warwick, October 2, 2012
- "Peace and Development Operations Information Briefing," for Philippines Armed Forces Peace and Development Center, Manila, Philippines, August 30, 2012.
- "Predation, Economic Activity and Violence: Evidence from the Philippines," Applied Human Factors and Ergonomics Conference, San Francisco, July 24, 2012.
- "Dispute Adjudication in Poorly Governed Spaces," Presentation to SEAL Team 5, UC San Diego, May 9-10, 2012.

Recent Media Coverage

- "A Discussion on the Motivations Behind the Paris Terror Attacks." KPBS, January 12, 2015
- "Terror Attack in Paris Shows New Era of Terrorism." City News Service, January 7, 2015
- "San Diego man Killed in Syria Fighting for ISIS." KPBS, August 27, 2014
- "Military 'Moneyball': Everyone is applying the Lessons." Marc Tracy, New Republic, March 1, 2013
- "Salaries for Suicide Bombers: Western States Unwittingly Fund Terrorist Activities In Palestine, Says Report" by Maya Shwayder, *International Business Times*, February 14, 2013
- "Parsing Terrorism." Eliot Marshall, Science, May 18, 2012
- "Modeling Armed Conflict." Moshe Kress, Science, May 18, 2012
- "Parochialism as a Central Challenge in Counterinsurgency." Nicholas Sambanis, Jonah Schulhofer-Wohl, Moses Shayo, *Science*, May 18, 2012
- "93 Genius Ideas from the Lab to Improve Your Life." Julia McKinnell, Macleans.ca, February 28, 2012
- "Do the Unemployed Turn to Insurgency?" The Daily Beast, February 27, 2012
- "Checkpoints, Not Checks." Wilson Quarterly, February 21, 2012
- "US Study on Iraq, Afghanistan Say Focus on Small Projects to Win Hearts, Minds." Newstrack India, ANI, October 5, 2011.