

# Karen Bradley Clay

## *Curriculum Vitae*

September 2018

### Contact Information

Heinz School of Public Policy and Management  
Carnegie Mellon University  
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[kclay@andrew.cmu.edu](mailto:kclay@andrew.cmu.edu)  
<http://www.heinz.cmu.edu/~kclay/>

Citizenship: United States, Canada

### Research Interests

Environmental Economics, Energy Economics, Economic History, Health Economics

### Education

Ph.D. Economics, Stanford University, 1994.  
B.A. with Highest Honors, Economics, University of Virginia, 1988.

### Professional Experience

|              |   |
|--------------|---|
| 2016-present | Professor of Economics and Public Policy, Heinz School of Public Policy and Management, Tepper School of Business (courtesy), and Engineering and Public Policy (courtesy), Carnegie Mellon University    |
| 2008-2016    | Associate Professor of Economics and Public Policy, Heinz School of Public Policy and Management and Tepper School of Business (courtesy), Carnegie Mellon University                                     |
| 2018-present | Senior Fellow, Scott Institute for Energy Innovation, Carnegie Mellon University  |
| 2012-present | National Bureau for Economic Research, Research Associate, Development of the American Economy (Faculty Research Fellow, 2010-2012.) Research Associate, Energy and Environmental Economics, 2015-present |
| 2011-present | Affiliated Faculty, University of Pittsburgh Law School   |
| 2008-2009    | Visiting Scholar, Stanford Law School   |
| 1999-2008    | Assistant Professor of Economics and Public Policy, Heinz School of Public Policy and Management and Tepper School of Business (courtesy), Carnegie Mellon University                                     |
| 1998-1999    | Visiting Assistant Professor, Heinz School of Public Policy and Management, Carnegie Mellon University  |
| 1994-1999    | Assistant Professor of Economics, Department of Economics, University of Toronto.   |
| 1997-1998    | Visiting Assistant Professor, Graduate School of Industrial Administration, Carnegie Mellon University  |
| 1996         | Visiting Associate, Division of Humanities and Social Sciences, California Institute of Technology, Fall  |
| 1994         | Visiting Assistant Professor of Economics, Department of Economics, University of Toronto, Spring   |
| 1986, 1987   | Research Assistant for Paul Portney and Wallace Oates, Resources for the Future, Summer   |

### Research and Teaching Awards

Carnegie Mellon Leadership and Negotiation Academy for Women, 2017-2018, sponsored by the Dean and the Provost.

Air Pollution Externalities: Evidence from U.S. Electricity Generation over the Twentieth Century (Co-PI with Edson Severnini), NSF Grant #1627432, 2016-2018, \$238,235

Oil and Gas Leasing Behavior, Subcontract from Rand to University of Pittsburgh on NSF grant (Co-PI with Randall Walsh, Akshaya Jha, and Nicholas Muller), 2016-2017, \$47,592

Lone Mountain Fellow, PERC, 2016

Economics and Externalities of Moving Crude Oil by Pipelines and Railroads: Evidence from the Bakken Formation (with Akshaya Jha, Nick Muller, and Randy Walsh), Scott Institute Seed Grant to Akshaya Jha, Carnegie Mellon, 2016, \$25,000

Economics and Externalities of Moving Crude Oil by Pipelines and Railroads: Evidence from the Bakken Formation, Sloan Foundation Grant to NBER for Energy Infrastructure (with Akshaya Jha, Nick Muller, and Randy Walsh), 2016

Preparing Local Talent for Jobs in the Sub-baccalaureate STEM Economy: The Marcellus ShaleNET Program and the Emerging Energy Sector, External Evaluator for Rand, NSF Grant #1535322 (PI Robert Bozick), 2016-2018

Lone Mountain Fellow, PERC, 2015

Digitization of Electricity Plant Data (with Edson Severnini), Carnegie Mellon Electricity Industry Center, 2014

Richard Cyert Award for Teaching Excellence, Undergraduate Economics Program, 2010

Migrating to Riches? Using the Census to Shed New Light on the California Gold Rush, Berkman Faculty Development Grant, Carnegie Mellon, 2008

Patent Litigation in the Rapid Prototyping Industry: The Effect on World Markets (with Chris Forman), Carnegie Bosch Institute, Faculty Development Grant, Carnegie Mellon, 2003

International Arbitrage in Online Textbook Markets, Amazon Cy Pres Grant, 2003

Pricing and Price Competition in the Internet Retail Sector: Books and DVDs, 2002 Berkman Faculty Development Grant.

International Pricing of Commodity Goods: Online Books, Carnegie Bosch Institute, 2000 Faculty Development Grant

Co-PI, Community Connections: Fostering Democratic Participation through Information Technology, Hewlett Foundation Grant 2000.

Social Science and Humanities Research Council of Canada Standard Research Grant, 1995-1999.

W. M. Keck Foundation and John Randolph and Dora Haynes Foundation Fellow, Huntington Library, 1996.

Polanyi Prize in Economics, 1995. *This research-based prize is awarded annually to one outstanding junior faculty member at an Ontario university.*

John Randolph and Dora Haynes Foundation Fellow, Huntington Library, 1993, 1994.

Lynde and Harry Bradley Fellowship, Stanford University, 1993.

Leonard P. Cassidy Summer Fellowship, Institute for Humane Studies, George Mason University, 1992.

Summer Research Fellowship, John M. Olin Program in Law and Economics, Stanford Law School, 1989, 1990, 1991, 1992.

John M. Olin Fellowship, Stanford University, 1992.

Fellow, Stanford Center on Conflict and Negotiation, 1992.

Economics Departmental Fellowship, Stanford University, 1992.

National Science Foundation Fellowship, 1988-1991.

### Editorial Positions

Editorial Board, Explorations in Economic History, 2012-2015

Editorial Board, Journal of Comparative Economics, 2010-2014

Editorial Board, Journal of Economic History, 2009-2013

### **Publications in Refereed Journals**

External Costs of Transporting Petroleum Products: Evidence From Shipments of Crude Oil by Pipelines and Rail from North Dakota. (with Akshaya Jha, Nick Muller, Randy Walsh). NBER Working Paper #23852. Forthcoming, The Energy Journal.

Featured in Midwest Energy News (September 28, 2017) and C.D. Howe (October 5, 2017)

*The Rise and Fall of Pellagra in the American South* (with Ethan Schmick and Werner Troesken). NBER Working paper # 23730. Forthcoming, Journal of Economic History.

*Pollution, Infectious Disease, and Infant Mortality: Evidence from the 1918-1919 Spanish Influenza Pandemic* (with Joshua Lewis and Edson Severnini). NBER Working Paper #21635. IZA DP # 9399. Forthcoming, Journal of Economic History.

*Adapting to Climate Change: Evidence from Long-Run Changes in the Temperature-Mortality Relationship in the 20th Century United States* (with Alan Barreca, Olivier Deschenes, Michael Greenstone, and Joseph Shapiro). NBER Working Paper #18692. Journal of Political Economy. 124 (1) (2016): 105-159.

Featured in Washington Post (December 22, 2012), New York Times (October 26, 2016).

*Boom and Bust in Pittsburgh Natural Gas History: Development, Policy, and Environmental Effects, 1878–1920* (with Joel Tarr). Pennsylvania Magazine of History and Biography. 139(3) (2015): 323-342.

*Convergence in Adaptation to Climate Change: Evidence from High Temperatures and Mortality, 1900-2004* (with Alan Barreca, Olivier Deschenes, Michael Greenstone, and Joseph Shapiro). American Economic Review, Paper and Proceedings 105(5) (2015):247-251.

*Lead and Mortality* (with Werner Troesken and Michael Haines). NBER Working Paper #16480. Earlier version: *Lead Pipes and Child Mortality* (with Werner Troesken and Michael Haines), NBER Working Paper #12603. Review of Economics and Statistics, 96(3) (July 2014): 458-470.

*Tariff Choice with Consumer Learning and Switching Costs* (with Ron Goettler), Journal of Marketing Research, 48 (August 2011): 633-652. Lead article.

*Migrating to Riches? Evidence from the California Gold Rush* (with Randy Jones). Journal of Economic History, 68 (December 2008): 997-1027.

*The Effect of Judicial Independence on Courts: Evidence from the American States* (with Dan Berkowitz), Journal of Legal Studies, 35(2) (June 2006): 399-440

*American Civil Law Origins: Implications for State Constitutions* (with Dan Berkowitz), American Law and Economics Review, 7(1) (Spring 2005): 62-84

*Order Without Law? Property Rights During the California Gold Rush* (with Gavin Wright) Explorations in Economic History, 42(2) (April 2005): 155-183

*An Empirical Analysis of Optimal Membership Rules in Peer to Peer Networks* (with Atip Asvunund, Ramayya Krishnan, and Michael Smith) Information Systems Research, 15(2) (2004): 155-174.

*Designing a Better Shopbot* (with Alan Montgomery, Kartik Hosanager, and Ramayya Krishnan), Management Science, 50(2) (February 2004): 189-206.

*Further Tests of Static Oligopoly Models: Whiskey, 1882-1898* with Werner Troesken, Journal of Industrial Economics, 51(2) (June 2003): 151-166.

*Strategic Behavior in Whiskey Distilling, 1887-1895* with Werner Troesken, Journal of Economic History, 62(4) (December 2002): 999-1023.

*Institutional Barriers to Electronic Commerce: An Historical Perspective* with Robert Strauss, Advances in Strategic Management, 19 (2002):247-273.

*Retail Strategies on the Web: Price and Non-Price Competition in the Online Book Industry* with Ramayya Krishnan, Eric Wolff, and Danny Fernandes, Journal of Industrial Economics, 50(3) (September 2002): 351-67.

*Prices and Price Dispersion on the Web: Evidence from the Online Book Industry* with Ramayya Krishnan and Eric Wolff, Journal of Industrial Economics, 49(4) (December 2001): 521-39.

*Trust, Risk and Electronic Commerce: Nineteenth Century Lessons for the Twenty-First Century* with Robert Strauss, State Tax Notes (Reprinted from the Proceedings of the National Tax Association), December 25, 2000.

*The Choice-Within-Constraints New Institutionalism and Implications for Sociology*, with Paul Ingram, Annual Review of Sociology, 26 (2000): 525-546.

*Squatting and the Settlement of the United States: New Evidence from Post-Gold Rush California*, with Werner Troesken, Advances in Agricultural Economic History, 1 (2000): 207-33.

*Property Rights and Institutions: Congress and the California Land Act of 1851*. Journal of Economic History, 59(1) (March 1999): 122-42.

*Trade, Institutions, and Credit: Contract Enforcement on the California Coast, 1830-1846*. Explorations in Economic History, 34(4) (October 1997): 495-521.

*Trade Without Law: Private-Order Institutions in Mexican California*. Journal of Law, Economics, and Organization, 13(1) (April 1997): 202-31.

*A Coasean General Equilibrium Model of Regulation*. Journal of Public Economics, 53(3) (March 1994): 459-75.

*Ex Post vs. Ex Ante Pricing: Optional Calling Plans and Tapered Tariffs*, with David Sibley and Padmanabhan Srinagesh, Journal of Regulatory Economics, 4(2) (June 1992): 115-38.  
Reprinted in The Economics of Public Utilities, edited by Ray Rees, Edward Elgar, 2006.

## Book

The Evolution of a Nation: How Geography and Law Shaped the American States (with Daniel Berkowitz). 2012 Princeton University Press.

Summary of first chapter published in Cliometrics Newsletter, Fall 2010.

Meet the author session at the Social Science History Association Conference, 2012.

Chinese Translation (simplified characters) available through China CITIC in 2015.

## Refereed Book Chapters

*Pittsburgh as an Energy Capital: A Life-Cycle Perspective on Coal and the Transition to Natural Gas* with Joel Tarr, Energy Capitals: Local Impact, Global Influence (pp. 5-29) Edited by Martin Melosi and Joseph Pratt. Pittsburgh: University of Pittsburgh Press, 2014.

*Gold Rush Legacy: American Minerals and the Knowledge Economy* with Gavin Wright, The Evolution of Property Rights Related to Land and Natural Resources (pp. 67-95) Edited by Daniel Cole and Elinor Ostrom. Cambridge: Lincoln Land Institute Press, 2012.

*Did Frederick Brodie Discover the World's First Environmental Kuznets Curve? Coal Smoke and the Rise and Fall of the London Fog* with Werner Troesken, The Economics of Climate Change:

Adaptations Past and Present (pp. 281-210). Edited by Gary Libecap and Richard H. Steckel. Chicago: University of Chicago Press, 2011.

*Natural Resources and Economic Outcomes*, Economic Evolution and Revolution in Historical Time (pp. 27-50). Edited by Paul Rhode, Joshua Rosenbloom and David Weiman. Stanford: Stanford University Press, 2011

An adapted version *Are Natural Resources a Curse for Growth? Lessons from History* was published in the World Financial Review, 2011:59-61.

*Ranchos and the Politics of Land Claims* with Werner Troesken. Land of Sunshine: An Environmental History of Los Angeles. Edited by Bill Deverell and Greg Hise. Pittsburgh: University of Pittsburgh Press, 2006.

*The Great Experiment: Pricing on the Internet* with Ramayya Krishnan and Michael D. Smith. The E-Business Handbook. Edited by Paul B. Lowry, J. Owen Cherrington, and Ronald R. Watson, New York: CRC Press, 2002.

*Trade, Institutions, and Law: The Experience of Mexican California*. Studies in the Economic History of the Pacific Rim. Edited by Sally M. Miller, A. J. H. Latham, and Dennis O. Flynn. New York: Routledge, 1998.

### **Refereed Conference Proceedings**

*Trust, Risk and Electronic Commerce: Nineteenth Century Lessons for the Twenty-First Century* with Robert Strauss. Proceedings of the National Tax Association, Santa Fe, 2000.

*Pricing Strategies on the Web: Evidence from the Online Book Industry* with Ramayya Krishnan et al. Proceedings of the ACM Conference on Electronic Commerce, Minneapolis, 2000.

*Online Bookseller Strategies: An Empirical Analysis* with Ramayya Krishnan et al., Proceedings of the Second International Conference on Telecommunications and Electronic Commerce, Nashville, 1999.

*Land Tenure Contracts in Post-Gold Rush California*. Proceedings, Twelfth International Economic History Congress (Session B2: Land, Labour, and Tenure), Madrid, 1998.

### **Notes, Introductions, Encyclopedia Entries**

*The Environment in American Economic History* forthcoming in Oxford Handbook of American Economic History. Edited by Louis Cain, Price Fishback and Paul Rhode. New York, Oxford University Press, 2018.

*Gold Rushes* entry in History of World Trade since 1450. Macmillan, 2005.

*James Buchanan Duke* and *San Francisco* entries in Oxford Encyclopedia of Economic History. New York, Oxford University Press, 2002.

*Introduction to Section 2: Trade and Colonial Economies*. The Other Side of the Frontier: Economic Explorations into Native American History. Edited by Linda Barrington. New York: Westview Press, 1998.

### **Book Reviews**

Political Order and Inequality: Their Foundations and Their Consequences for Human Welfare, by Carles Boix, published on EH net: [https://eh.net/book\\_reviews/political-order-and-inequality-their-foundations-and-their-consequences-for-human-welfare/](https://eh.net/book_reviews/political-order-and-inequality-their-foundations-and-their-consequences-for-human-welfare/)

The Institutional Revolution: Measurement and the Economic Emergency of the Modern World, by Douglas Allen, Public Choice, v158 (2014): 281-283.

The American National State and the Early West. By William H. Bergmann. Journal of Economic History, v73, n3 (2013): 883-885.

Founding Choices: American Economic Policy in the 1790s. Edited by Douglas A. Irwin and Richard Sylla, Journal of Economic History, v71, n4 (December 2011): 1124-1126

Scientists and Swindlers: Consulting on Coal and Oil in America, 1820—1890. By Paul Lucier, Journal of Economic History, v69, n3 (September 2009): 887-888.

Communications Policy in Transition: The Internet and Beyond, by Benjamin M. Compaine and Shane Greenstein (eds), Journal of Economic Literature, v41, n2 (June 2003): 608-609.

The Internet Economy: Access, Taxes, and Market Structure by Alan E. Wiseman, Journal of Economic Literature, v40, n3 (September 2002): 955-956.

Cultivating California: Growers, Specialty Crops, and Labor, 1875-1920 by D. Vaught Journal of Economic History, v60, n4 (December 2000): 1160.

Treasure from the Painted Hills: A History of Calico, California, 1882-1907 by D. Steeples, Journal of Economic History, v60, n2 (June 2000): 579-580.

### **ICPSR Dataset**

Bailey, Martha, Karen Clay, Price Fishback, Michael Haines, Shawn Kantor, Edson Severnini, and Anna Wentz. U.S. County-Level Natality and Mortality Data, 1915-2007. ICPSR36603-v1. Ann Arbor, MI: Inter-university Consortium for Political and Social Research [distributor], 2016-10-27.

### **Working Papers**

Toxic Truth: Lead and Fertility (with Edson Severnini and Margarita Portnykh). NBER Working Paper #24607. Under submission.

Featured in Marketwatch (May 23, 2018) and Citylab (July 5, 2018).

What Explains Cross-City Variation in Mortality during the 1918 Influenza Pandemic? Evidence from 438 U.S. Cities (with Joshua Lewis and Edson Severnini). Under submission.

Canary in a Coal Mine: Impact of Mid-20th Century Air Pollution on Infant Mortality and Property Values (with Joshua Lewis and Edson Severnini). NBER Working Paper #22155. IZA DP #9484.

The Short-Run and Long-Run Effects of Resources on Economic Outcomes: Evidence from the United States 1936-2015 (with Margarita Portnykh). NBER Working Paper #24695.

Laws, Educational Outcomes, and Returns to Schooling: Evidence from the Full Count 1940 Census (with Jeff Lingwall and Melvin Stephens). NBER Working Paper #22855. Featured in VoxEU (April 22, 2017).

Controlling Tuberculosis? Evidence from the Mother of all Community-Wide Health Experiments (with Peter Juul Egedeso, Casper Worm Hansen, and Peter Sandholt Jensen). University of Copenhagen Working Paper, No. 18-03.

Coal, Smoke, and Death: Bituminous Coal and American Home Heating (with Alan Barreca and Joel Tarr). NBER Working Paper #19881. IZA DP # 7987.

### **Work in Progress**

How the Boll Weevil Left Southerners Richer, Taller, and Better Fed (with Werner Troesken and Ethan Schmick)

Are the Productivity Costs of Environmental Regulation Persistent? Evidence from the U.S. Electricity Industry since 1938 (with Akshaya Jha, Joshua Lewis, and Edson Severnini).

The External Cost of Freight (with Akshaya Jha, Nick Muller, and Randy Walsh)

### Papers Presented at Recent Meetings and Symposia

*Toxic Truth: Lead Exposure and Fertility Choices*

University of Virginia, October 2017

University of Southern Denmark, April 2018

*The Short-Run and Long-Run Effects of Resources on Economic Outcomes: Evidence From the United States 1936-2015*

Economic History Association Meetings, September 2013

Queens University Economic History Conference, April 2014

AERE Session at ASSA, January 2015

AERE Session at ASSA, January 2017

Brown University, April 2017

Miami University, April 2017

Vanderbilt University, September 2017

Clemson University, March 2018

Indiana University, April 2018

*Economics and Externalities of Moving Crude Oil and Ethanol by Pipelines and Railroads*

NBER Meeting on Hydrocarbon Infrastructure and Transportation, July 2015

NBER Meeting on the Economics of Energy Markets, April 2016

PERC, August 2016

ASSA, January 2017

NBER Hydrocarbon Infrastructure and Transportation Conference, May 2017

*Measuring the Determinants of Natural Gas Pipeline Construction*

Department of Energy Workshop with Rand Corporation, December 2016

*Does Cash Cropping Adversely Affect Nutrition? Evidence from the Rise and Fall of Pellagra in the American South*

University of Arizona, March 2016

CNEH Conference, October 2015

*Canary in a Coal Mine: Impact of Mid-20th Century: Air Pollution on Infant Mortality and Property Values*

NBER Development of the American Economy, March 2015

Population Association of America, April 2015

PERC, August 2015

Heinz College, September 2015

Carnegie Mellon Electricity Industry Center, December 2015

Workshop on Health Economics and Health Policy, Heidelberg, Germany, April 2017

*Pollution, Infectious Disease, and Infant Mortality: Evidence from the 1918-1919 Spanish Influenza Pandemic*

AERE Conference, June 2015

SSHA Conference, November 2015

### Teaching

|           |        |  |
|-----------|--------|--|
| 2018-2019 | 73-476 | American Economic History                    |
|           | 95-710 | Economic Analysis (minisemester, 4 sections) |
| 2017-2018 | 73-476 | American Economic History                    |

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|-----------|--------|--|
|           | 95-710 | Economic Analysis (minisemester, 4 sections) |
| 2016-2017 | 73-476 | American Economic History                    |
|           | 95-710 | Economic Analysis (minisemester, 4 sections) |

### **Program Committees and Other Service to the Profession**

Economic History Association, Trustee, 2016-2019

Economic History Association, Standing Committee on Education in Economic History, 2016-2018 (chair in 2018).

Co-Chair, Association of Environmental and Resource Economists (AERE) Summer Conference, Pittsburgh, June 2017

NBER Development of the American Economy, Summer Institute, Program Committee, July 2015 & July 2016

Cliometrics Conference, Local Arrangements Committee, Pittsburgh, May 2016

Social Science History Association, Chair, Nominating Committee, 2014

Economic History Association Conference, Program Committee, September 2014

ISNIE Conference, Stanford, Program Committee, June 2011

Economic History Association, Nominating Committee, 2011

Economic History Association Conference, Local Arrangements Committee, September 2006

3<sup>rd</sup> -5<sup>th</sup> ZEW Conferences on the Economics of Information and Communication Technologies, Program Committee, July 2003-5.

ACM Conference on Electronic Commerce, Minneapolis, Program Committee, October 2000.

Cliometrics Conference, Program Committee and Local Arrangements Committee, Toronto, May 1997

### **Advising**

*Ph.D.*

David Adler, Heinz College (current PhD student, committee)

Ciprian Domnisoru, Heinz College (committee). Postdoctoral Fellowship at University of California, Berkeley.

Thomas Goldring, Heinz College (co-chair), 2017. Postdoctoral Fellowship at University of Michigan.

Ethan Schmick, University of Pittsburgh (committee), Department of Economics, University of Pittsburgh, 2017. Washington and Jefferson College.

Brian Beach, University of Pittsburgh (committee), Department of Economics, University of Pittsburgh, 2015. William and Mary.

Jeff Lingwall, Heinz-Tepper Joint Program and Yale Law School (chair), 2014. Truman State University.

Sasha Romanosky, Heinz School (committee), 2012. Rand Corporation

Shikha Basnet, Department of Economics, University of Pittsburgh (committee) 2011, Washington and Lee.

Jeff Brinkman, Heinz-Tepper Joint Program, Carnegie Mellon (committee), 2011. Federal Reserve Bank, Philadelphia.

Ying Fang, (outside reader for University of Pittsburgh), 2006. Xiamen University, China.

### *Undergraduate (Senior Honors Theses)*

Avery Calkins, 2014 "The Framingham Tuberculosis Project" *Winner, Best Undergraduate Thesis Award.*

Megan Sasinosky, 2011 "Homicide in Historical Perspective: The United States 1850-1950"

Rose Goff, 2010 "Understanding the Fall in Infant Mortality in the United States from 1900-1940"

Robert Jefferson, 2008 "Anti-Foreign Sentiment in the California Gold Rush" *Winner, Best Undergraduate Thesis Award.*

Rebecca Radkoff, 2008 "Food Price and Market Behaviour in the California Gold Rush"

Randy Jones, 2007 "Migrating to Riches? Evidence from the California Gold Rush"



Mercy Chang, 2007 “Insurance without Kin? Private-Order Institutions in Gold Rush California”  
 Aileen Ma, 2006 “An Examination of Music Downloading and Its Effects through Stock Price Analysis”  
 Choon Hong Tay, 2001, Cross-Country Price Differentials in the Online Textbook Market

### **Referee for the Following Journals, Publishers, and Granting Agencies**

American Economic Review, American Economic Journal: Applied Economics, American Economic Journal: Economic Policy, American Journal of Sociology, American Law and Economics Review, Annals of Regional Science, Berkeley Journal of Economic Theory, Canadian Journal of Economics, Cliometrica, Economic Inquiry, Economic History Review, Economic Journal, Economics of Governance, Economics and Human Biology, Environmental Research, Explorations in Economic History, European Review of Economic History, Historical Methods, The History of the Family, International Finance, Information Systems Research, International Journal of Industrial Organization, International Journal of the Economics of Business, International Journal of Environmental Research and Public Health, Journal of Comparative Economics, Journal of Economic Growth, Journal of Economic History, Journal of Economic Theory, Journal of Environmental Economics and Management, Journal of the European Economic Association, Journal of Health Economics, Journal of Historical Geography, Journal of Industrial Economics, Journal of Information Technology and Management, Journal of Institutional Economics, Journal of International Economics, Journal of the Japanese and International Economies, Journal of Law and Economics, Journal of Law, Economics, and Organizations, Journal of Law and Courts, Journal of Legal Studies, Journal of Public Economics, Journal of Public Policy and Marketing, Journal of Retailing, Management Science, Population and Environment, PNAS, Proceedings of the National Academy of Science, Public Choice, Quarterly Journal of Economics, Rand Journal of Economics, Research in Economic History, Review of Economic Studies, Social Science History, Social Science Research, Sociological Forum, Southern Economic Journal, Strategic Management Journal

Princeton University Press, University of Chicago Press, Elsevier

Austrian Science Foundation, Economic and Social Research Council (United Kingdom), Fulbright Specialist Program, Hong Kong Research Grants Council, Industry Canada, National Science Foundation, Russell Sage, Smith Richardson Foundation, Social Science and Humanities Research Council of Canada.

### **Service to Carnegie Mellon and to Heinz College**

#### *Carnegie Mellon*

Co-chair, Faculty Diversity Committee, 2015-Present  
 Advisory Board Member, Steinbrenner Institute for Environmental Education and Research, 2018-present  
 Faculty Senate Sustainability Committee, 2018-Present  
 Barbara Lazarus Award Committee (university service award), 2017-2018  
 Graduate Student Service Award Committee (university service award), 2017, 2018  
 Child Care Committee, 2015-2017  
 Head of Recruiting Subcommittee and Member, Diversity Committee for CMU Strategic Plan, 2015  
 University Committee on Nontenure Appointments 2011-2015  
 Scholarly Communications Advisory Board Committee 2011-2013  
 Ryan Award Committee (university teaching award), 2012  
 Faculty Senate Budget Committee, 2009-2012; helped write financial section of presidential white paper in 2012.

#### *Heinz College*

Heinz Dean's Post-Doctoral Fellow Hiring Committee, 2017-2018  
 Heinz DC Hiring Committee Member, 2017-2018  
 Diversity Liaison, 2015-2016

MPM Chair, 2012-2016; explored online degree options 2012-2013; participated in NASPPA accreditation review 2013-2014

MSPPM committee, head of policy analysis concentration 2009-2012

Economics Hiring Committee: Chair, 2012-2013; Member 2014-2015

Organized Heinz Monday seminar series, 2010-2011