

# Karen Bradley Clay

## *Curriculum Vitae*

January 2024

### Contact Information

Heinz School of Public Policy and Management  
Carnegie Mellon University  
Pittsburgh, PA 15213-3890  
412-268-4197 (office)  
[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
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
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
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
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
1994-1999	Assistant Professor of Economics, Department of Economics, University of Toronto.
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

### Editorial and Professional Boards

Co-Editor (with Ralf Meisenzahl), Explorations in Economic History, 2022-present  
 Associate Editor, Journal of Economic Perspectives, 2024-present  
 Economic History Association, Vice President, 2022-2023  
 EPA Science Advisory Board (SAB) Economic Guidelines Review Panel, 2019 - 2021  
 Association of Environmental and Resource Economists (AERE), Board of Directors, 2020-2022  
 Economic History Association, Trustee, 2016-2019  
 Editorial Board, Explorations in Economic History, 2012-2015  
 Editorial Board, Journal of Comparative Economics, 2010-2014  
 Editorial Board, Journal of Economic History, 2009-2013

### Research and Teaching Awards

Award for Exceptional Service to the Journal of Economic History Editorial Board, 2021  
 Air Pollution and Environmental Justice in Allegheny County, Heinz Foundation Grant #7564, 2020, \$20,000  
 Lone Mountain Fellow, PERC, 2019  
 Air Pollution Externalities: Evidence from U.S. Electricity Generation over the Twentieth Century (Co-PI with Edson Severnini), NSF Grant #1627432, 2016-2020, \$238,235  
 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), 2016-2019  
 Carnegie Mellon Leadership and Negotiation Academy for Women, 2017-2018, sponsored by the Dean and the Provost.  
 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  
 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.

### **Publications in Refereed Journals**

*The Historical Impact of Coal on Cities* (with Edson Severnini and Joshua Lewis). Accepted, Regional Science and Urban Economics. NBER Working Paper #31365. IZA DP #16229.

*Adverse Impacts of Mental Health Needs Assessment on Jail Outcomes: Evidence from Transition Age Youth and Adults* (with Scott Cunningham, Jonathan Seward, and Vivian Vigliotti). Accepted, Journal of Human Resources.

*The Value of Health Insurance during a Crisis: Effects of Medicaid Implementation on Pandemic Influenza Mortality* (with Joshua Lewis, Edson Severnini, and Xiao Wang). IZA DP # 13200. NBER Working Paper #27120. Accepted, Review of Economics and Statistics.

*Canary in a Coal Mine: Infant Mortality and Tradeoffs Associated with Mid-20<sup>th</sup> Century Air Pollution* (with Joshua Lewis and Edson Severnini). NBER Working Paper #22155. IZA DP #9484. Accepted, Review of Economics and Statistics.

*Does LEED Certification Save Energy? Evidence from Federal Buildings* (with Xiaochen Sun and Edson Severnini). NBER Working Paper #28612. IZA DP #14211. Journal of Environmental Economics and Management, 121(2023): 1028661.

*The 1918 Influenza Pandemic and its Lessons for COVID-19* (with Brian Beach and Martin Saavedra). NBER Working Paper #27673. Journal of Economic Literature, 60 (2022): 41-84.

*Toxic Truth: Lead and Fertility* (with Margarita Portnykh and Edson Severnini). NBER Working Paper #24607. IZA DP # 11541. Journal of the Association of Environmental and Resource Economists, 8 (2021): 975-1012.

*Recent Increases in Air Pollution: Evidence and Implications for Mortality* (with Nicholas Muller and Xiao Wang). NBER Working Paper #26381. Review of Environmental Economics and Policy, 15 (2021): 154-162.

*Laws, Educational Outcomes, and Returns to Schooling: Evidence from the Full Count 1940 Census* (with Jeff Lingwall and Melvin Stephens). NBER Working Paper #22855. Labour Economics, 68 (2021): 101935.

*Controlling Tuberculosis? Evidence from the Mother of all Community-Wide Health Experiments* (with Peter Juul Egedesø, Casper Worm Hansen, Peter Sandholt Jensen, and Avery Calkins). NBER Working Paper #25884. Journal of Development Economics 146 (2020): 102510.

*What Explains Cross-City Variation in Mortality during the 1918 Influenza Pandemic? Evidence from 438 U.S. Cities* (with Joshua Lewis and Edson Severnini). IZA DP # 12177. Economics and Human Biology 35 (2019): 42-50.

- The Legacy Lead Deposition in Soils and Its Impact on Cognitive Function in Preschool-Aged Children in the U.S.* (with Margarita Portnykh and Edson Severnini). IZA DP # 12178. Economics and Human Biology 33 (2019): 181-192.
- The Rise and Fall of Pellagra in the American South* (with Ethan Schmick and Werner Troesken). NBER Working paper # 23730. Journal of Economic History 79(1) (2019): 32-62.
- External Costs of Transporting Petroleum Products: Evidence From Shipments of Crude Oil by Pipelines and Rail from North Dakota* (with Akshaya Jha, Nicholas Muller, Randall Walsh). NBER Working Paper #23852. Energy Journal 40(1) (2019): 55-72.
- 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. Journal of Economic History 78(4) (2018): 1179-1209.
- 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.
- 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.  
Reprinted in Muller, Edward K., and Joel A. Tarr. Making Industrial Pittsburgh Modern: Environment, Landscape, Transportation, and Planning. University of Pittsburgh Press, 2019.
- 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.  
Reprinted in Muller, Edward K., and Joel A. Tarr. Making Industrial Pittsburgh Modern: Environment, Landscape, Transportation, and Planning. University of Pittsburgh Press, 2019.
- 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**

*Energy and the Environment in Economic History*. Accepted Handbook of Cliometrics, Third Edition. NBER Working Paper #31408.

*The Environment in American Economic History* 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/)

Power to the People: Energy in Europe over the Last Five Centuries. By Astrid Kander, Paolo Malanima, and Paul Warde. Journal of Economic History, 75(3), 936-937.

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.

The U.S. Brewing Industry: Data and Analysis. By Victor J. Tremblay and Carol Horton Tremblay. Journal of Economic History, 65(3), 876-878.

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

The Impact of Lead Exposure on Fertility, Infant Mortality, and Infant Birth Outcomes (with Edson Severnini and Alex Hollingsworth). Revisions requested, Review of Environmental and Economic Policy. NBER Working Paper #31379. IZA DP #16236.

Impacts of the Clean Air Act on the Power Sector from 1938-1994: Anticipation and Adaptation (with Akshaya Jha, Joshua Lewis, and Edson Severnini). NBER Working Paper #28962.

Early Life Shocks, Market Adjustments, and Black-White Inequality (with Ethan Schmick). NBER Working Paper #27101.

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.

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

The Flexner Report's Impact on American Medical Care and Population Health (with Grant Miller, Margarita Portnykh, and Ethan Schmick).

Industrial Lead Emissions and Infant Mortality (with Edson Severnini and Xiao Wang)

Impacts of a Cap-and-Trade Program on Local Air Pollution: Evidence from the Acid Rain Program (with Xiaochen Sun and Edson Severnini)

Mobility and Air Pollution Exposure of Low-Income Mothers (with Naveen Basavaraj)

## Papers Presented at Recent Meetings and Symposia

*Flexner Era Medical School Closures, Physician Markets, and Mortality in the United States*

University of California Irvine, October 2022

University of Michigan, November 2022

Emory University, March 2023

NBER Summer Institute, July 2023

Canadian Network for Economic History, Keynote, October 2023

Carnegie Mellon University, November 2023

Harvard University, February 2024

*Air Lead and Infant Mortality*

University of Maryland AREC, October 2021

AERE Session at ASSA, January 2022

Temple University, February 2022

University of California, San Diego, April 2022

University of California, Davis, November 2022

University of Oregon, March 2023

*The 1918 Influenza Pandemic and its Lessons for COVID-19*

Notre Dame, April 2020

Columbia University, December 2021

Leibniz Institute for Research on Society and Space, Keynote, May 2022

*Black-White Economic Progress: The Impact of the Boll Weevil*

All UC Economic History Conference, February 2019

Warwick University, October 2021

Case Western University, October 2021

Stanford University, November 2021

*The Economic History of Resource Governance*

Indiana University, May 2021, October 2022, May 2024

*Impacts of the Clean Air Act on the Power Sector from 1938-1994: Anticipation and Adaptation*

University of Illinois, September 2018

Third Annual Research Roundtable on Energy Regulation, Technology, and Transaction Costs, November 2018

Carnegie Mellon University, February 2019

University of California, Berkeley, March 2019

PERC, July 2019

Berkeley-Harvard-Yale seminar, March 2021

## Public Presentations



*Resilient and Inclusive Economies Panel*

Intersect @ CMU, February 2022

*Economics of Air Pollution*

Greater Boston Physicians for Social Responsibility, April 2022

**Teaching**

2023-2024	73-408	Law and Economics
	95-710	Economic Analysis (minisemester, 4 sections)
2022-2023	73-408	Law and Economics
	95-710	Economic Analysis (minisemester, 5 sections)

**Other Professional Service**

American Economic Association Nominating Committee, 2022-2023, 2023-2024

Economic History Association Conference, Local Arrangements Committee, September 2020 (moved online due to Covid-19) &amp; September 2023

Northeast Workshop on Energy Policy and Environmental Economics, Local Arrangements Committee, June 2022

AcademyHealth ASHEcon Diversity Mentorship Program 2022

CSWEP CeMENT Mentoring Workshop Mentor, 2018

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 &amp; 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. and Postdoctoral Fellows*

Xiaochen Sun, Heinz College (current PhD student, co-chair)

Andre Ribeiro Cardoso, Heinz College (current PhD student, committee)

Qihui Hu, (current PhD student, committee)

Gabriel Facundes Monteiro, (current PhD student, committee)

Sadiq Salimi Rad (current PhD student in Heinz-Tepper Joint Program, co-chair)

Pouya Arab (deferred PhD student in Heinz-Tepper Joint Program, co-chair)

Kelly Hyde, University of Pittsburgh (committee), 2022. Rand Corporation.

Mengjia (Daisy) Ren, Heinz College (co-chair), 2021, Federal Energy Regulatory Commission.

Xiao Wang, Heinz College (Postdoctoral Fellow), 2019-2021. Hunan University.

David Adler, Heinz College (committee), 2021. Congressional Budget Office.  
 Margarita Portnykh (Postdoctoral Fellow), 2016-2018. Tepper School of Business, Carnegie Mellon University.  
 Ciprian Domnisoru, Heinz College (committee), 2018. Aalto School of Business- Helsinki GSE.  
 Thomas Goldring, Heinz College (co-chair), 2017. Georgia State University.  
 Ethan Schmick, University of Pittsburgh (committee), Department of Economics, 2017. Marquette University.  
 Brian Beach, University of Pittsburgh (committee), Department of Economics, 2015. Vanderbilt University.  
 Jeff Lingwall, Heinz-Tepper Joint PhD Program and Yale Law School (chair), 2014. Boise State University.  
 Sasha Romanosky, Heinz College (committee), 2012. Rand Corporation  
 Shikha Basnet Silwal, 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, University of Pittsburgh (committee), 2006. Xiamen University, China.

*Undergraduate (Senior Honors Theses)*

Helen Zhao, 2024 "Title TBD"  
 Keerthi Adusumilli, 2022 "Air Toxic Pollution and Children's Health"  
 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, Constitutional Political Economy, Economic Inquiry, Economic History Review, Economic Journal, Economics of Education Review, Economics of Governance, Economics and Human Biology, Economics and Politics, 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, JAMA Network Open, 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, Nature, 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, Research Policy, 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, Rand

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.

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

#### *Carnegie Mellon*

Faculty Senate Budget and Financial Affairs Committee, 2023-present  
 Advisory Board Member, Steinbrenner Institute for Environmental Education and Research, 2018-present  
 Target of Opportunity Fund Committee, 2020-2021  
 Co-chair, Committee on Faculty Diversity, Inclusion and Development, 2015-2020  
 Barbara Lazarus Award Committee (university service award), 2017, 2018, 2019, 2020, 2022  
 Faculty Senate Sustainability Committee, 2018-2019  
 Graduate Student Service Award Committee (university service award), 2017, 2018, 2019  
 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

#### *Heinz College*

Organized Heinz Monday seminar series, 2023-2024  
 Economics Search Committee, 2022-2023  
 Diversity Liaison, 2015-2016, 2020-present  
 Heinz Diversity Committee, 2019-2020  
 Organized Heinz Applied Micro seminar series, 2019-2020  
 Heinz Dean's Post-Doctoral Fellow Hiring Committee, 2017-2018  
 Heinz DC Hiring Committee Member, 2017-2018  
 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