

July 2024

Curriculum Vitae

Garth Heutel

55 Park Place, Suite 622, Department of Economics
Andrew Young School of Policy Studies
Georgia State University
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FIELDS OF SPECIALIZATION

Environmental and Energy Economics, Public Economics, Behavioral Economics, Economics of Nonprofit Organizations

EMPLOYMENT/AFFILIATIONS

Georgia State University, Department of Economics
Professor, August 2023 – present
Associate Professor, August 2017 – August 2023
Assistant Professor, August 2014 – August 2017
National Bureau of Economic Research, Environmental and Energy Economics Program
Research Associate, September 2018 – present
Faculty Research Fellow, May 2011 – September 2018
Université Paris Dauphine-PSL, Department of Economics
Visiting Professor, March 2022, February 2023, February 2024
University of North Carolina at Greensboro, Department of Economics
Assistant Professor, July 2009 – July 2014
Harvard University Center for the Environment, Kernan Brothers Environmental Fellow
July 2007 – July 2009

EDUCATION

PhD., Economics, University of Texas, Austin, TX, May 2007
M.S., Economics, University of Texas, Austin, TX, May 2005
B.S., with highest distinction, Physics and Philosophy, University of Michigan, Ann Arbor, MI,
May 2000

FELLOWSHIPS, HONORS, GRANTS, AND MEMBERSHIPS

ClimateWorks Foundation, Research Grant, 2022-2023.
Alliance for Market Solutions, Research Grant (co-PI), 2020.
International Health Economics Association Kenneth J. Arrow Award for best paper published in health economics, 2019.
Alliance for Market Solutions, Research Grant (PI), 2018.
National Institutes of Health, National Institute on Aging, Research Grant R01AG053350 (Co-investigator), 2016-2021.
Outstanding Publication in *Environmental and Resource Economics*, 2015, Honorable Mention
GSU Research Initiation Grant, 2016
Outstanding Paper Award, *Public Finance Review*, 2014
Ralph C. d'Arge and Allen V. Kneese Award for Outstanding Publication in *Journal of Environmental Economics and Management*, 2011
UNCG New Faculty Research Grant, 2010, 2012
UNCG Summer Excellence Research Grant, 2010, 2012
UNCG Bryan School Dean's Research Scholar Grant, 2009, 2013
National Tax Association 2007 Outstanding Doctoral Dissertation Award, First Runner-up
Kernan Brothers Environmental Fellow, Harvard University Center for the Environment, 2007-2009
Graduate Research Fellowship, National Science Foundation, 2004-2007
University Fellowship, University of Texas at Austin, 2002-2003
Member, American Economic Association (AEA), 2003-present
Member, Association of Environmental and Resource Economists (AERE), 2004-present

PUBLICATIONS

"Theme Park Rides are Giffen Goods." Forthcoming, *Southern Economic Journal*.

"Behavioral Economics and the Evidential Defense of Welfare Economics." Forthcoming, *Politics, Philosophy & Economics*.

"Solar Geoengineering, Learning, and Experimentation." (with David Kelly, Juan Moreno-Cruz, and Soheil Shayegh). Forthcoming, *Journal of the Association of Environmental and Resource Economists*.

"Unemployment, Labor Mobility, and Climate Policy." (with Kenneth Castellanos). *Journal of the Association of Environmental and Resource Economists*. Vol. 11, No. 1 (January 2024), 1-251.

"Climate Policy, Financial Frictions, and Transition Risk." (with Stefano Carattini and Givi Melkadze). *Review of Economic Dynamics*. Vol. 51 (December 2023), 778-794.

- "Pollution and Labor Market Search Externalities over the Business Cycle." (with John Gibson). *Journal of Economic Dynamics and Control*. Vol. 151 (June 2023).
- "Research Grants Crowding Out and Crowding In Donations to Higher Education." (with Grant Gannaway and Michael Price). *Education Finance and Policy*. Vol. 18, No. 3 (Summer 2023), 498-521.
- "Business Cycles and Environmental Policy: A Primer." (with Barbara Annicchiarico, Stefano Carattini, and Carolyn Fischer). in *Environmental and Energy Policy and the Economy, Volume 3*, eds. Kotchen, Matthew, Tatyana Deryugina, and James Stock, University of Chicago Press (2022): 221-253.
- "Social Science Research to Inform Solar Geoengineering." (with Joseph E. Aldy, Tyler Felgenhauer, William A. Pizer, Massimo Tavoni, Mariia Belaia, Mark E. Borsuk, Arunabha Ghosh, Daniel Heyen, Joshua Horton, David Keith, Christine Merk, Juan Moreno-Cruz, Jesse L. Reynolds, Katharine Ricke, Wilfried Rickels, Soheil Shayegh, Wake Smith, Simone Tilmes, Gernot Wagner, And Jonathan B. Wiener) *Science* 374, no. 6569 (November 11, 2021): 815-818.
- "Regulating Geoengineering: International Competition and Cooperation." (with Soheil Shayegh and Juan Moreno-Cruz). in *Climate Geoengineering: Science, Law, and Governance, AESS Interdisciplinary Environmental Studies and Sciences Series*, eds. Burns, Wil, David Dana, and Simon James Nicholson, Springer (2021): 229-247.
- "Efficiency Wages, Unemployment, and Environmental Policy." (with Xin Zhang). *Energy Economics* Vol. 104 (December 2021).
- "Adaptation and the Mortality Effects of Temperature across US Climate Regions." (with Nolan Miller and David Molitor). *Review of Economics and Statistics*, Vol. 103, No. 4 (October 2021), 740-753.
- "Bankability and Information in Pollution Policy." *Journal of the Association of Environmental and Resource Economists*, Vol. 7, No. 4 (July 2020), 779-799.
- "The Mortality and Medical Costs of Air Pollution: Evidence from Changes in Wind Direction." (with Tatyana Deryugina, Nolan Miller, David Molitor, and Julian Reif). *American Economic Review* Vol. 109, No. 12 (December 2019), 4178-4219.
iHEA's Kenneth J. Arrow Award for best paper in health economics, 2019.
- "An Analysis of Black Greek-letter Organization Philanthropy." (with Koren Hardy, Mackenzie Slater, and Gregory S. Parks). *Oracle Research Journal* Vol. 14, Issue 2 (Winter 2019), 1-19.
- "Prospect Theory and Energy Efficiency." *Journal of Environmental Economics and Management* Vol. 96 (July 2019), 236-254.

- "School Bus Emissions, Academic Performance, and Student Health." (with Wes Austin and Daniel Kreisman). *Economics of Education Review* Vol. 70 (June 2019), 109-126.
- "Solar Geoengineering, Uncertainty, and the Price of Carbon." (with Juan Moreno-Cruz and Soheil Shayegh). *Journal of Environmental Economics and Management* Vol. 87 (January 2018), 24-41.
- "Time Preferences and Consumer Behavior." (with David Bradford, Charles Courtemanche, Patrick McAlvanah, and Christopher Ruhm). *Journal of Risk and Uncertainty* Vol. 55 (December 2017), 119-145.
- "Climate Tipping Points and Solar Geoengineering." (with Juan Moreno-Cruz and Soheil Shayegh). *Journal of Economic Behavior and Organization* Vol. 132, Part B (December 2016), 19-45.
- "Climate Engineering Economics." (with Juan Moreno-Cruz and Katherine Ricke), *Annual Review of Resource Economics* Vol. 8 (October 2016), 99-118.
- "Air Pollution and Procyclical Mortality." (with Christopher Ruhm). *Journal of the Association of Environmental and Resource Economists*, Vol. 3, No. 3 (September 2016), 667-706.
- "Incidence, Environmental, and Welfare Effects of Distortionary Subsidies." (with David Kelly). *Journal of the Association of Environmental and Resource Economists*, Vol. 3, No. 2 (June 2016), 361-415.
- "Consumer Learning and Hybrid Vehicle Adoption." (with Erich Muehlegger), *Environmental and Resource Economics*, Vol. 62, No. 1 (September 2015), 125-161
Award for Outstanding Publication in ERE, 2015, Honorable Mention
- "Optimal Policy Instruments for Externality-Producing Durable Goods under Present Bias." *Journal of Environmental Economics and Management*, Vol. 72 (July 2015), 54-70.
- "Impatience, Incentives, and Obesity." (with Charles Courtemanche and Patrick McAlvanah), *The Economic Journal*, Vol. 125, No. 582 (February 2015), 1-31.
- "The Investment Returns of Nonprofit Organizations: Part I, Tales from 990 Forms." (with Richard Zeckhauser), *Nonprofit Management and Leadership*, Vol. 25, No. 1 (Fall 2014), 41-57.
- "The Investment Returns of Nonprofit Organizations: Part II, The Value of Focused Attention." (with Richard Zeckhauser), *Nonprofit Management and Leadership*, Vol. 25, No. 1 (Fall 2014), 59-75.
- "Subsidies." In J. Whitehead, T. Haab (eds), *Environmental and Natural Resource Economics: An Encyclopedia*, Greenwood (March 2014).

- "Crowding Out and Crowding In of Private Donations and Government Grants." *Public Finance Review*, Vol. 42, No. 2 (March 2014), 143-175.
Outstanding Paper Award, *PFR*, 2014
- "Environmental Macroeconomics: Environmental Policy, Business Cycles, and Directed Technical Change." (with Carolyn Fischer). *Annual Review of Resource Economics*, Vol. 5 (November 2013), 197-210.
- "How Should Environmental Policy Respond to Business Cycles? Optimal Policy under Persistent Productivity Shocks." *Review of Economic Dynamics*, Vol. 15, No. 2 (April 2012), 244-264.
- "Does the Indexing of Government Transfers Make Carbon Pricing Progressive?" (with Don Fullerton and Gilbert Metcalf) *American Journal of Agricultural Economics (Proceedings)*, Vol. 94, No. 2 (January 2012), 347-353.
- "Plant Vintages, Grandfathering, and Environmental Policy." *Journal of Environmental Economics and Management*, Vol. 61, No. 1 (January 2011), 36-51.
Ralph C. d'Arge and Allen V. Kneese Award for Outstanding Publication in JEEM, 2011.
- "Analytical General Equilibrium Effects of Energy Policy on Output and Factor Prices." (with Don Fullerton), *B.E. Journal of Economic Analysis and Policy (Symposium)*, Vol. 10, No. 2, (2010), Article 15.
Reprinted in M. Cohen, D. Fullerton, R. Topel (eds.), *Distributional Aspects of Energy and Climate Policies*, Edward Elgar (2013).
- "The General Equilibrium Incidence of Environmental Mandates." (with Don Fullerton), *American Economic Journal: Economic Policy*, Vol. 2, No. 3 (August 2010), 64-89.
- "Testing Implications of a Tournament Model of School District Salary Schedules," *Economics of Education Review*, Vol. 28, No. 1 (February 2009), 143-151.
- "Environmental and Social Service Charities: Private and Public Sources of Funding," *Proceedings of the National Tax Association 100th Annual Conference on Taxation* (2007), 250-259.
- "Who Bears the Burden of a Tax on Carbon Emissions in Japan?" (with Don Fullerton), *Environmental Economics and Policy Studies*, Vol. 8, No. 4 (2007), 255-270.
- "The General Equilibrium Incidence of Environmental Taxes" (with Don Fullerton), *Journal of Public Economics*, Vol. 91, No. 3-4 (April 2007), 571-591.
Reprinted in D. Fullerton (ed.), *Distributional Effects of Environmental and Energy Policy*, Ashgate Publishing (2009).

WORKING PAPERS

"The Ethics of Pollution Pricing." (with J. Paul Kelleher), commissioned for *Review of Environmental Economics and Policy*.

"Climate Policy, Job Reallocation, and Unemployment Fluctuations in a Multi-Sector Economy." (with John Gibson and Lilia Karnizova).

"Transition Risk: Sources and Policy Responses." (with Stefano Carattini, Givi Melkadze, and Inès Mourelon).

"Climate Change, Inequality, and Financial Frictions." (with Matteo Calcaterra, Stefano Carattini, Mathilda Eriksson, and Givi Melkadze).

"Climate Policy and the Macroeconomy." (with Barbara Annicchiarico, Stefano Carattini, and Carolyn Fischer).

CONFERENCE PRESENTATIONS

AERE Summer Conference, Washington, DC, May 2024

Central Bank Research Association sessions at ASSA, New Orleans, LA, January 2023

Bank of France, Advances in Macro Modelling of Climate Change, Paris, March 2022

NBER Environmental and Energy Economics Spring Meeting, online, March 2022

NBER Environmental and Energy Policy and the Economy Conference, online, May 2021

AERE and AEA sessions at ASSA, San Diego, CA, January 2020

Southern Economics Association Annual Meeting, Fort Lauderdale, FL, November 2019

Southeastern Energy and Environmental Economics Workshop, Atlanta, GA, October 2019

LAGV 18th International Conference in Public Economics, Aix-en-Provence, France, June 2019

AERE Summer Conference, Lake Tahoe, NV, May 2019

Philosophy, Politics, and Economics Society Meeting, New Orleans, LA, March 2019

World Congress of Environmental and Resource Economists, Gothenburg, Sweden, June 2018

Inaugural *JEEM* Conference in Environmental and Resource Econ., Moss, Norway, June 2018

Southern Economics Association Annual Meeting, Tampa, FL, November 2017

Southern Economics Association Annual Meeting, Washington, DC, November 2016

AERE Summer Conference, Breckenridge, CO, June 2016

IHEA/AEA sessions at ASSA, San Francisco, CA, January 2016

AERE sessions at SEA Annual Meeting, New Orleans, LA, November 2015

NBER Environmental and Energy Economics Meeting, Cambridge, MA, March 2015

Southern Economics Association Annual Meeting, Atlanta, GA, November 2014

National Tax Association Annual Meeting, Santa Fe, NM, November 2014

Harvard Risk, Perception, and Response Conference, Boston, MA, March 2014

AERE sessions at Midwest Economics Association Annual Meeting, Evanston, IL, March 2014

AAEA Annual Meeting, Washington, DC, August 2013
AERE sessions at ASSA, San Diego, CA, January 2013
AERE Summer Conference, Asheville, NC, June 2012
Appalachian State Environmental and Resource Economics Workshop, Boone, NC, April 2012
NBER Health Care/Environmental Economics meeting, Cambridge, MA, March 2012
Southern Economics Association Annual Meeting, Washington, DC, November 2011
AAEA sessions at ASSA, Denver, CO, January 2011
AERE sessions at ASSA, Denver, CO, January 2011
Southern Economics Association Annual Meeting, Atlanta, GA, November 2010
AERE sessions at ASSA, Atlanta, GA, January 2010
AERE Summer Workshop, Washington, DC, June 2009
Southern Economics Association Annual Meeting, Washington, DC, November 2008
National Tax Association Annual Meeting, Columbus, OH, November 2007
Colorado University Environmental Economics Workshop, Vail, CO, September 2007
NBER Environmental Economics Summer Institute, Cambridge, MA, July 2007
Econometrics Society North American Summer Meeting, Minneapolis, MN, June 2006
Camp Resources XIII, Wilmington, NC, August 2005
AERE sessions at ASSA, Philadelphia, PA, January 2005
Camp Resources XII, Wilmington, NC, August 2004
AERE Summer Workshop, Estes Park, CO, June 2004

SEMINAR PRESENTATIONS

Université Paris Dauphine-PSL, Department of Economics, February 2024
Centre International de Recherche sur l'Environnement et le Développement, February 2024
University of California Davis, Department of Agricultural and Resource Economics, May 2023
Bank of France, February 2023
Université Paris Dauphine-PSL, Department of Economics, March 2022
Dalhousie University, Department of Economics, October 2021
Vanderbilt University, Department of Economics, September 2021
Bank of Canada, Financial Studies Division, April 2021
University of South Carolina, Department of Economics, March 2019
University of Connecticut, Department of Economics, September 2018
University of Georgia, Department of Agricultural Economics, February 2017
Georgia Institute of Technology, School of Public Policy, September 2016
Middle Tennessee State University, Department of Economics, January 2016
College of William and Mary, Department of Economics, November 2014
Resources for the Future, October 2014
Georgia Institute of Technology, Department of Economics, February 2014
Georgia State University, Department of Economics, January 2014
University of Minnesota, Department of Applied Economics, January 2014
American University, Department of Economics, January 2014
Georgia State University, Department of Economics, June 2013
University of Virginia, Frank Batten School of Policy, January 2012
Rice University, Department of Economics, January 2012

University of Wisconsin-Milwaukee, Department of Economics, December 2011
Elon University, Department of Economics, February 2011
Arizona State University, Department of Economics, January 2011
North Carolina State University, Department of Ag. and Resource Economics, October 2010
Appalachian State University, Department of Economics, October 2009
University of North Carolina at Greensboro, Department of Economics, October 2009
Triangle Resource and Environmental Economics Seminar Series, September 2009
University of North Carolina at Greensboro, Department of Economics, February 2009
US EPA, National Center for Environmental Economics, February 2009
University of Texas at Arlington, Department of Economics, February 2009
University of Oklahoma, Department of Economics, February 2009
Resources for the Future, January 2009
Colorado State University, Department of Economics, January 2009
University of Miami, Department of Economics, January 2009
University of California Santa Barbara, Department of Economics, January 2009
University of California Santa Barbara, Bren School, January 2009
University of Colorado Boulder, Department of Economics, January 2009
Harvard Kennedy School, October 2008
Georgetown University, Department of Economics, September 2008
Harvard Kennedy School Energy Policy Program, April 2008
University of California Energy Institute, December 2007
Stanford University, Department of Economics, December 2007
Cornell University, Department of Applied Economics, February 2007
Northwestern University, Department of Management and Strategy, January 2007
University of Washington, Department of Economics, January 2007
Brown University, Department of Economics, January 2007
Princeton University, Program in Science, Technology, and Environmental Policy, January 2007
University of Maryland, Department of Agricultural and Resource Economics, Jan. 2007
Stanford Institute for Economic Policy Research, January 2007
University of Maryland, Department of Agricultural and Resource Economics, Nov. 2005
University of Texas, Department of Economics, June 2004

TEACHING EXPERIENCE

Department of Economics, Georgia State University

PhD program coordinator (Fall 2019 – Present), PhD Environmental Economics (Spring 2016, Spring 2018, Spring 2020, Spring 2022, Spring 2024), PhD Job Placement Coordinator (Fall 2016 – Spring 2020), Undergraduate Environmental Economics (Fall 2015, Fall 2016, Fall 2017, Fall 2018, Fall 2019, Fall 2020, Fall 2021, Fall 2022), Undergraduate Principles of Microeconomics (Fall 2014, Spring 2015, Spring 2016), Honors Undergraduate Principles of Microeconomics (Spring 2019, Spring 2023), PhD Microeconomic Theory I (Fall 2023)

Department of Economics, Université Paris Dauphine-PSL

MA/PhD Macroeconomics (co-taught, Spring 2022, Spring 2023, Spring 2024)

Department of Economics, University of North Carolina at Greensboro

PhD Micro Theory II (Fall 2009, Fall 2010, Fall 2011, Fall 2012), Undergraduate Public Finance (Spring 2010, Spring 2011), Graduate Public Finance (Spring 2011, Spring 2012, Spring 2013, Spring 2014), Undergraduate Principles of Microeconomics (Fall 2011, Spring 2012, Fall 2012, Spring 2013, Fall 2013, Spring 2014)

Department of Economics, University of Texas at Austin (Teaching Assistant)

Introductory Microeconomics (Fall 2003), Economic Statistics (Spring 2004)

Teach For America Math Teacher, Silver Creek High School, San Jose, CA, 2000-2002

PROFESSIONAL SERVICES

Editorial Council, *Journal of Environmental Economics and Management*, 2013-present.

Editorial Council, *Journal of the Association of Environmental and Resource Economists*, 2014-present.

Referee: *American Economic Review*, *Review of Economics and Statistics*, *American Economic Journal: Economic Policy*, *International Economic Review*, *Economic Journal*, *Journal of Public Economics*, *Journal of Environmental Economics and Management*, *Journal of the Association of Environmental and Resource Economists*, *Review of Economic Dynamics*, *National Science Foundation*, *Journal of Economic Behavior and Organization*, *Scandinavian Journal of Economics*, *Economica*, *Economics of Education Review*, *Southern Economic Journal*, *National Tax Journal*, *Environmental and Resource Economics*, *American Journal of Agricultural Economics*, *Land Economics*, *B.E. Journals in Economic Analysis and Policy*, *Journal of Environmental Management, Resource and Energy Economics*, *Economic Inquiry*, *European Journal of Political Economy*, *Journal of Public Economic Theory*, *International Tax and Public Finance*, *Economics Bulletin*, *Journal of Applied Econometrics*, *Public Finance Review*, *Athens University of Economics and Business Basic Research Funding Program*