

Pei Huang

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Pronouns: he/him/his

Academic Experience

ZEW – Leibniz Centre for European Economic Research, Germany

Researcher, 2020–Present.

Yale University, School of the Environment, USA

Postdoctoral Associate, 2017–2020.

Research Affiliate, 2020–2021.

Texas A&M University, USA

Tom Slick Research Fellow, 2015.

Research Assistant, 2012–2014.

Education

Ph.D. Environmental and Resource Economics, Texas A&M University, USA, 2015.

B.A. Management, Hunan Normal University, China, 2009.

Research Interests

Environmental and Energy Economics, Applied Microeconomics, Public Economics, Energy and Climate Policy Modeling, Climate Change Economics

Research

Working Papers

1. Racial Disparities in the Health Effects from Air Pollution: Evidence from Ports (with Kenneth Gillingham). NBER Working Paper. ZEW Discussion Paper.

Peer-Reviewed Publications

2. Gillingham, K., **P. Huang**, C. Buehler, J. Peccia, and D. R. Gentner (2021). The Climate and Health Benefits from Intensive Building Energy Efficiency Improvements. *Science Advances* 7, eabg0947.
3. Gillingham, K. and **P. Huang** (2020). Long-Run Environmental and Economic Impacts of Electrifying Ports in the United States. *Environmental Science & Technology* 54(16), 9824–9833.

4. Gillingham, K. and **P. Huang** (2019). Is Abundant Natural Gas a Bridge to a Low-carbon Future or a Dead-end?. *Energy Journal* 40(2), 1–26.
5. Wilberg, M. J., R. T. Woodward, **P. Huang**, and D. Tomberlin (2019). Developing Precautionary Reference Points for Fishery Management Using Robust Control Theory: Application to the Chesapeake Bay Blue Crab Fishery. *Marine and Coastal Fisheries* 11(2), 177–188.
6. Fernandez, M., **P. Huang**, B. A. McCarl, and V. Mehta (2016). Value of Decadal Climate Variability Information for Agriculture in the Missouri River Basin. *Climatic Change* 139(3–4), 517–533.
7. **Huang, P.** (2015). An Inverse Demand System for the Differentiated Blue Crab Market in Chesapeake Bay. *Marine Resource Economics* 30(2):139–156.
8. **Huang, P.**, R. T. Woodward, M. J. Wilberg, and D. Tomberlin (2015). Management Evaluation for the Chesapeake Bay Blue Crab Fishery: An Integrated Bioeconomic Approach. *North American Journal of Fisheries Management* 35(2):216–228. (Selected as Best Paper Award for the journal in 2015)

Other Publications

9. Gillingham, K. and **P. Huang** (2021). Shipping Shapes Health. *Public Health Post*.
10. McCarl, B. A., S. J. Cho, J. Ding, **P. Huang**, L. Shiva, and C. H. Yu (2017). Agricultural Soil Carbon: Trading. Book chapter in *Encyclopedia of Soil Science 3rd Edition*. Taylor and Francis Group, New York.
11. Chen, J., **P. Huang**, B. A. McCarl, and L. Shiva (2014). Climate Change, Society, and Agriculture: An Economic and Policy Perspective. Book chapter in *Encyclopedia of Agriculture and Food Systems 2nd Edition*. Elsevier, Amsterdam.

Work in Progress

12. Linking disaggregated carbon markets (with Jan Abrell and Sebastian Rausch).
13. Effect of air pollution on gun violence.

Grants

Tom Slick Graduate Fellowship, Texas A&M University, 2015 – \$ 30,000

Presentations & Seminars

- 2022 ASSA Annual Meeting (scheduled)
- 2021 8th IZA Workshop in Environment, Health and Labor Markets; 20th LAGV International Conference in Public Economics; EAERE Annual Conference; ZEW; Online Summer Workshop in Environment, Energy, and Transportation Economics
- 2020 6th Canadian PhD and Early Career Workshop in Environmental and Resource Economics; EAERE-ETH Winter School; Yale Environmental Economics Seminar; Hong Kong Polytechnic University; U.S. EPA Air, Climate and Energy Centers Meeting
- 2019 China-UK Low-Carbon College, Shanghai Jiao Tong University; CU Environmental & Resource Economics Workshop; Tsinghua-Berkeley Shenzhen Institute; AERE Annual Summer Conference

- 2018 Yale FES Research Day; Yale Climate Day (poster); Camp Resources XXV; USAEE Annual Conference; Yale Environmental Economics Seminar
- 2015 Texas A&M University Symposium for Agricultural and Applied Economics Research; AAEA Annual Conference (poster); Gulf of Maine Research Institute
- 2014 5th World Congress of Environmental and Resource Economists; AAEA Annual Conference (2 sessions)
- 2013 NAAFE Annual Conference; AAEA Annual Conference

Other Experience

Quantitative Analyst, S&P Global Platts, UK, 2016–2017.

Modeling Analyst, Aurora Energy Research, UK, 2015–2016.

Honors & Awards

Best Paper Award 2015, North American Journal of Fisheries Management, 2016.

Gamma Sigma Delta ($\Gamma\Sigma\Delta$) Honor Society of Agriculture, 2013.

Departmental Scholarship, Texas A&M University, 2011.

Services

Referee for *Journal of the Association of Environmental and Resource Economists*, *Energy Journal*, *Energy Policy*, *Marine Resource Economics*, *Water Resources and Economics*, *Climate Research*

Scientific organizer for the 10th Mannheim Conference on Energy and the Environment, ZEW

Professional Memberships

American Economic Association (2018–Present)

Association of Environmental and Resource Economists (2019–Present)

European Association of Environmental and Resource Economists (2020–Present)

Teaching

Heidelberg University

Quantitative Methods in Environmental and Energy Economics (Master), Co-Instructor: Summer 2021.

Texas A&M University

Applied Mathematical Programming (Ph.D.), Co-Instructor: Autumn 2014, Autumn 2013.

Environmental and Resource Economics, Teaching Assistant: Spring 2015.

Agribusiness Management, Teaching Assistant: Spring 2012.

Miscellaneous

Programming Languages

Proficient in R, GAMS, SQL, Tableau, Fortran (NEMS Model), Git, L^AT_EX, Microsoft Office Suite

Good working knowledge of Python, Stata, SAS, Matlab, Mathematica, Visual Basic, AD Model Builder
(Based on C++)

Professional Certificates

Machine Learning, Coursera Course Certificates, 2016.

Python Data Structures, Coursera Course Certificates, 2016.

Using Python to Access Web Data, Coursera Course Certificates, 2016.

Data Visualization and Communication with Tableau, Coursera Course Certificates, 2016.

Managing Big Data with MySQL, Coursera Course Certificates, 2016.

Basic to Advanced GAMS Certificate, GAMS Corporation, 2012.

References

Kenneth Gillingham

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