

YICHEN CHRISTY ZHOU

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EMPLOYMENT

Associate Professor of Economics, Department of Economics, Clemson University	2024 – Present
Assistant Professor of Economics, Department of Economics, Clemson University	2017 – 2024
Postdoctoral Fellow, Resources for the Future (RFF)	2016 – 2017

EDUCATION

Ph.D. in Economics, University of Maryland at College Park	2016
Dissertation: "Essays in Energy, Environment, and Technological Change"	
Committee: Maureen Cropper (Chair), Andrew Sweeting (Co-chair), Lint Barrage, Sébastien Houde	
M.A. in Economics, University of Maryland at College Park	2014
B.A. in Mathematics (<i>distinction</i>) and Economics, University of Virginia	2010
B.A. student at large, Huazhong University of Science and Technology, China	2006 – 2008

FIELDS OF INTEREST: Environmental & Energy Economics, Transportation Economics, Empirical Industrial Organization

TOPICS OF INTEREST: Vehicle Market and Fuel Economy Policies, Power Sector, Energy Transition, Air Transportation

PUBLISHED AND ACCEPTED WORK

"The Effect of Adopting the Next Generation Air Transportation System (NextGen) on Air Travel Performance", (with Jessica Chu), *Regional Science and Urban Economics*, September 2023, 102: 103918

"How Much Do Consumers Value Fuel Economy and Performance? Evidence from Technology Adoption", (with Benjamin Leard and Joshua Linn), *The Review of Economics and Statistics*, January 2023, 105 (1): 158-174

"Regulatory Spillover and Climate Co-benefits: Evidence from the New Source Review Lawsuits", (with Hei-Sing Ron Chan), *Journal of Environmental Economics and Management*, October 2021, 110: 102545

"The Effects of Fuel Prices and Vehicle Sales on Fuel-Saving Technology Adoption in Passenger Vehicles", (with Thomas Klier and Joshua Linn), *Journal of Economics & Management Strategy*, June 2020, 29 (3): 543-578

"The Effect of Fuel Price Changes on Fleet Demand for New Vehicle Fuel Economy", (with Benjamin Leard, Virginia McConnell), *The Journal of Industrial Economics*, July 2019, 67 (1): 127-159

SELECTED WORKING PAPERS

"Charged Up? Impacts of Green Energy Transition on Local Labor Markets", (with Hei-Sing Ron Chan), November 2025, *Reject and Resubmit, Resubmitted, Journal of Human Resources*

SELECTED WORK IN PROGRESS

"Steering towards Green: US Vehicle Demand and Production under Industrial Policy", (with Joshua Linn and Yongjoon Park)

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"Just a Minute", (with Chungsang Tom Lam), February 2023

DORMANT WORKING PAPERS

"Knowledge Capital, Technology Adoption, and Environmental Policies: Evidence from the US Automobile Industry",
February 2016

POPULAR/POLICY WRITINGS

"Fleet Vehicles and US Fuel Economy: How Do Fuel Prices Affect Vehicle Purchase Decisions for Big Buyers?", (with Benjamin Leard and Virginia McConnell), *Resources Magazine*, April 2018

"The Effect of Standards for New Vehicle Fuel Economy and GHG Emissions on US Consumers", (with Benjamin Leard and Joshua Linn), *Resources Magazine*, September 2017

"Do Consumers Benefit from Automobile Fuel Economy and Greenhouse Gas Standards?", (with Benjamin Leard and Joshua Linn), *Common Resources*, June 2017

GRANTS

PI/Co-PI

Resources for the Future (RFF) Grant, (with Yongjoon Park and Joshua Linn), Program "Evaluating IRA and IIJA Clean Energy Policies", \$99,962	2025 – 2027
Summer Research Grant, College of Business, Clemson University, \$14,074	2023
Hayek Center Research Grant, (with Tom Lam), Clemson University, \$5,000	2020
NBER Research Grant for "Economics of Energy Use in Transportation", \$16,289	2018 – 2019
Dean's Research Initiative Doctoral Dissertation Research Grant, University of Maryland, \$2,500	2015 – 2016

Senior Personnel

National Science Foundation (NSF), (with Devon Gorry and Jonathan Leganza), Program "Future of Work at Human-Technology Frontier (FW-HTF-RL)", No. 2326185	2023 – 2027
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TEACHING

Ph.D.

Empirical Energy Economics	Clemson U	2026 – Present
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Undergraduate

Intermediate Microeconomics (5/5, 4.4/5, 4.4/5, 4.6/5, 4.4/5 for Recent 5)	Clemson U	2018 – Present
Introduction to Econometrics	Clemson U	2018 – 2022
Computer Methods in Economics	U of Maryland	2012 – 2013

OTHER EMPLOYMENT & AFFILIATION

Special Sworn Status (SSS), US Census Bureau	2025 – Present
Lone Mountain Fellow, Property & Environment Research Center (PERC)	2016
Summer Intern, Resources for the Future (RFF)	2014, 2015

CONFERENCE AND SEMINAR PRESENTATIONS

(* for Scheduled)

2026: Wake Forest University*

2025: AERE Meeting (Albuquerque)

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2024: U of Texas at Dallas - Managerial Econ, U of Georgia - Econ, Atlanta Fed Southeastern Micro Labor Workshop (discussant), Auburn U, U of Georgia - Ag. Econ, SEA Meeting - IO (DC)
2023: ASSA Meetings - TPUG (New Orleans), AERE Meeting (Portland, ME), Southeast Workshop on Energy & Enviro. Econ & Policy (GaTech)
2022: AERE Meeting (Miami)
2021: ASSA Meeting - TPUG (Virtual), Econometric Society NA Summer Meeting (Virtual), UEA NA Meeting (Virtual)
2019: NBER Energy Use in Transportation (DC), AERE Meeting (Tahoe), Econometric Society EU Meetings (Manchester), Southeast Workshop on Energy & Enviro. Econ & Policy (GaTech), SEA Meeting - IO (Fort Lauderdale)
2018: ASSA Meeting - AEA (Philadelphia), NBER Energy Use in Transportation (Boston), DC IO Day (discussant)
2017: ASSA Meeting - AEA (Chicago), American U - School of Int'l Service, Resources for the Future, IIOC (Boston)
2016: Ohio U, Clemson U, Arizona State U, U of Maryland - Baltimore County, IIOC (Philadelphia), PERC
2015: Northeast Workshop on Energy Policy & Environmental Economics (Yale), Georgetown GCER, Camp Resources

REFEREE AND REVIEW SERVICES

Peer-reviewed Journals (A to Z):

Energy Economics, Energy Journal, Journal of the Association of Environmental and Resource Economists, Journal of Environmental Economics and Management, Journal of Industrial Economics, Resource and Energy Economics, Real Estate Economics

Grant Proposal Reviews: Alfred P. Sloan Foundation, National Science Foundation (NSF)

External Peer-review Panel: US Environmental Protection Agency (EPA)

Program Committee: Manchester Workshop on the Economics of Energy Transition

DOCTORAL COMMITTEE SERVICE

Current student(s): Noara Razzak, Huiyu Yang, Travis McLain

Graduated PhD students: (first, and current positions)

2025: Jingyun Dvora Hu (Iona U)

2024: Ali Shirzadibabakan (U of Georgia-Management)

2021: Matthew Cronin (Quant. Econ Solutions), Guangshun Qiao (Wenzhou B-school), Shen Zhang (Tsinghua U Postdoc)

2020: Shannon Graham (Booz Allen Hamilton), Kenneth Whaley (Caterpillar, U of South Florida)

2019: Xi Bai (Guangzhou U), Liuna Issagholian (IBM)

SELECTED SERVICE

AERE Scholar Program Committee Member	2025 – Present
CSWEP Liaison for Clemson Economics Department	2024 – Present

PERSONAL

U.S. Permanent Resident