

Updated November 2020

**YÌCHÉN CHRISTY ZHŌU**

Clemson University

John E. Walker Department of Economics

320M Wilbur O. and Ann Powers Hall, Clemson, SC, 29634

Email: [yichen2@clemson.edu](mailto:yichen2@clemson.edu)

Website: <http://zhouyc.com>

**EMPLOYMENT**

Assistant Professor of Economics, Department of Economics, Clemson University, July 2016 – Present (On Leave 2016 – 2017)

Postdoctoral Fellow, Resources for the Future (RFF), August 2016 – July 2017

**EDUCATION**

Ph.D. in Economics, University of Maryland at College Park, May 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, May 2014

B.A. in Mathematics and Economics, *Distinction*, University of Virginia, May 2010

B.A. student at large, Huazhong University of Science and Technology, China, 2006 – 2008

**FIELDS OF INTEREST**

Environmental and Energy Economics, Empirical Industrial Organization

**PUBLISHED AND ACCEPTED WORK**

“The Effect of Fuel Price Changes on Fleet Demand for New Vehicle Fuel Economy”, with Benjamin Leard, Virginia McConnell, *The Journal of Industrial Economics* 67, no. 1, 2019: 127-159

“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*, 29 (3), 2020: 543-578

(Previously titled: “The Effects of Fuel Costs and Market Size on Fuel-Saving Technology Adoption: Direct and Indirect Effects” and “The Effect of Market Size on Fuel-Saving Technology Adoption in Passenger Vehicles”)

**WORKING PAPERS**

“How Much Do Consumers Value Fuel Economy and Performance? Evidence from Technology Adoption”, with Benjamin Leard and Joshua Linn, RFF Report, September 2020, *Third-round R&R Resubmitted, Review of Economics and Statistics*

“Regulatory Spillover and Climate Co-benefits: Evidence from the New Source Review Lawsuits”, with Hei-Sing Ron Chan, November 2020, *Under Review*

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

**SELECTED WORK IN PROGRESS**

“The Effect of Adopting NextGen Air Transportation System on Air Travel Time and Jet Fuel Consumption: Evidence from High-frequency Air Travel Data”, with Ziyang Chu, May 2019

“Network Propagation and Air Traffic Policies”, with Tom Chungasang Lam

## **TEACHING**

Intermediate Microeconomics, Clemson University, Spring 2018 – Present

Introduction to Econometrics, Clemson University, Spring 2018 – Present

Computer Methods in Economics, University of Maryland, Spring 2012 – Spring 2013

## **GRANTS**

Hayek Center for the Business of Prosperity on “Network Propagation and Air Traffic Policies” with Tom Chungasang Lam, Clemson University, 2020, \$5,000

NBER Research Grant on “Economics of Energy Use in Transportation”, Supported by the Department of Energy, National Science Foundation, and Alfred P. Sloan Foundation, 2018 – 2019, \$16,289

Dean's Research Initiative Doctoral Dissertation Research Grant, Behavior and Social Science College, University of Maryland, 2015 – 2016, \$2,500

## **OTHER EMPLOYMENT**

Lone Mountain Fellow, Property & Environment Research Center (PERC), Montana, Summer 2016

Summer Intern, Resources for the Future (RFF), Summer 2014, Summer 2015

## **CONFERENCE AND SEMINAR PRESENTATIONS**

(\* for Scheduled)

2021: ASSA-TPUG (Virtual)\*

2019: NBER Economics of Energy Use in Transportation Conference, AERE (Tahoe), Econometric Society European Meeting, Southeast Energy & Environmental Economics Workshop (GaTech), SEA-Industrial Organization Society

2018: ASSA-AEA (Philly), NBER Energy Use in Transportation Pre-conference, DC IO Day (discussant)

2017: ASSA-AEA (Chicago), American University School of International Service, RFF, IIOC (Boston)

2016: Ohio University, Clemson University, Arizona State University, University of Maryland Baltimore County, IIOC (Philly), PERC

2015: Maryland AREC, Maryland Econ, Northeast Workshop on Energy Policy & Environmental Economics (Yale), Georgetown GCER, Camp Resources

## **REFEREE AND OTHER SERVICE**

Peer-reviewed Journals: Journal of Industrial Economics, Journal of the Association of Environmental and Resource Economists, Journal of Environmental Economics and Management, Energy Journal, Energy Economics, Resource and Energy Economics

Ad Hoc Grant Proposal Reviews: Alfred P. Sloan Foundation

Ad Hoc External Peer-review Panel: US EPA

## **DEPARTMENT AND UNIVERSITY SERVICE**

Task Force for the Tenure, Promotion and Reappointment Committee, 2017 – 2018