

# Alice Tianbo Zhang

## Curriculum Vitae

January 28, 2021

Washington and Lee University  
Williams School of Commerce,  
Economics, and Politics  
Huntley 304, Lexington, VA 24450

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## Appointments

Affiliate Faculty Member, Environmental Studies Program, Washington and Lee University, 2021-

Assistant Professor, Department of Economics, Washington and Lee University, 2020 -

Postdoctoral Research Associate, Princeton University, 2019 - 2020

Princeton School of Public and International Affairs & C-PREE

Advisor: Michael Oppenheimer

Graduate Research Fellow, Columbia University, 2017-2018

Teaching Fellow, Columbia University, 2014-2017

## Affiliations

Research Affiliate, Earth Institute, Columbia University, 2019 -

Fellow, Center for Development Economics and Policy, Columbia University, 2018 -

## Education

Ph.D. Sustainable Development, Columbia University, 2019

Dissertation Title: "When Nature Meets Human Nature: Essays on the Social Impacts of Energy Infrastructure and Environmental Policy"

Advisors: Rodrigo R. Soares, Wolfram Schlenker, Geoffrey M. Heal

M.A. Sustainable Development, Columbia University, 2016

Thesis Title: "Nonlinear Impact of Temperature on Mortality: Evidence from Monthly Weather Variations in France"

Advisor: Matthew Neidell

Training: Summer Workshop in Climate Change Economics, UC Berkeley, 2015

B.A. Economics, Statistics, Public Policy Minor, *Cum Laude*, University of California, Berkeley, 2013

## Research & Teaching Interests

Environmental and Energy Economics | Development Economics | Political Economy

Climate Change Impact, Adaptation, Mitigation | Natural Hazards | Migration | Social Justice

## Research

### *Publications*

Guo, Dong, Anyi Wang, and Alice Tianbo Zhang. 2020. "Pollution Exposure and Willingness to Pay for Clean Air in Urban China." *Journal of Environmental Management* 261 (May): 110174. [\[Link\]](#)

### *Working Papers*

Within but Without: Involuntary Displacement and Economic Development. SSRN Working Paper #3358089, September 2018. [\[Link\]](#)

Valuing the Global Mortality Consequences of Climate Change Accounting for Adaptation Costs and Benefits. NBER Working Paper #27599, July 2020. (with T. Carleton, M. Delgado, M. Greenstone, T. Houser, S. Hsiang, A. Hultgren, A. Jina, R. Kopp, K. McCusker, I. Nath, J. Rising, A. Rode, H. K. Seo, J. Simcock, A. Viaene, J. Yuan) [Under Review] [\[Link\]](#)

Electoral Backlash or Positive Reinforcement? Wind Power and Congressional Elections in the United States (with Johannes Urpelainen) [R&R]

Dam-Induced Global Surface Water Dynamics: Introducing the Global Dam Tracker (with Xinyi Gu)

### *Work in Progress*

Hurricane Harvey and Business Recovery (with Elmira Kalhor, Stephanie Lackner and Michael Oppenheimer)

Natural Disasters and Homeowner Mobility in the United States (with Michael Oppenheimer)

A Comprehensive Household Energy Survey – Gender Perspectives on Energy Use in Indian Households (with the Council On Energy, Environment and Water and the Initiative on Sustainable Energy Policy, Johns Hopkins University) [Draft Available Soon. Funded by the MacArthur Foundation]

Dynamic Incentives for Pollution Abatement (with Dong Guo and Anyi Wang)

After the Storm: Impact of Hurricanes on Employees and Firms in the United States (with Rachel M. Young)

### *Book Chapters and Policy Articles*

Zhang, Alice Tianbo. 2019. "Development and Displacement." *Phenomenal World*, Blog of the Jain Family Institute. [\[Link\]](#)

Zhang, Alice Tianbo, Johannes Urpelainen, and Wolfram Schlenker. 2018. "Power of the River: Introducing the Global Dam Tracker (GDAT)." Faculty Grant Program Research Report. Center on Global Energy Policy. [\[Link\]](#)

Lu, Yao, and Alice Tianbo Zhang. 2016. "The Link between Migration and Health." In *Handbook on Migration and Health*, edited by Felicity Thomas. Edward Elgar Publishing. [\[Link\]](#)

## Awards, Honors, and Grants

CSWEP CeMENT Workshop, American Economic Association, 2021  
Winter Research Scholar Program Grant, Washington and Lee University, 2020-2021  
Data-Driven Social Science Initiative Large-Scale Grant, Princeton University, 2020-  
Keynote Speaker, “2019 Henan Urban Sustainability Ranking Report” Press Conference, 2020  
Zhongyuan Development Research Innovation Award, 2020  
Dissertation Fellowship, Columbia University, 2018-2019  
National Academy of Sciences, Sackler Colloquium Travel Award, 2018  
Research Grant for “A Global Database of Dams,” Columbia University, 2017-2018  
Student Fellow, Initiative for Sustainable Energy Policy, Johns Hopkins University, 2017-  
Dean’s Fellowship, Columbia University, 2013-2018  
Omicron Delta Epsilon, UC Berkeley Chapter, 2011-2013  
Dean’s Honors List, University of California, Berkeley, 2011-2013

## Teaching

### *Washington and Lee University*

Introduction to Economics (Undergraduate, Economics), Instructor: Winter 2021  
Statistics for Economics (Undergraduate, Economics), Instructor: Fall 2020

### *Columbia University*

Microeconomics and Public Policy (Graduate, Public Policy), Tutor: Fall 2017  
Microeconomics and Policy Analysis (Graduate, Public Policy), TA: Fall 2016  
Introductory Statistics (Graduate, Public Policy), TA: Summer 2016  
Introduction to Development Economics (Undergraduate, Economics), Grader: Spring 2016  
Gender and Applied Economics (Undergraduate, Economics), TA: Spring 2016, 2017  
Research Methods in Public Management & Policy (Graduate, Public Policy), TA: Fall 2015  
Challenges of Sustainable Development (Undergraduate, Sustainable Development), TA: Spring 2015  
Science for Sustainable Development (Undergraduate, Sustainable Development), TA: Fall 2014

## Seminar and Conference Presentations

Southern Economic Association Annual Meeting (2020); American Geophysical Union (2016, 2020); Princeton University (2019, 2020); Princeton Research Day (2020); Central China Development Research Institute (2020); Henan University (2020); Johns Hopkins University, Initiative on Sustainable Energy Policy Workshop (2019); New York University, Institute for Policy Integrity (2019); Center for Global Development (2019); Wheaton College (2019); Washington and Lee University (2019); U.C. Santa Barbara Occasional Workshop (2018); Columbia University Development Seminar (2018); Columbia University Sustainable Development Seminar (2014, 2018); Sustainable Development Research Symposium (2016, 2018); National Academy of Science Sackler Colloquium on Economics, Environment and Sustainable Development (2018); University of Illinois, Urbana-Champaign, Heartland Environmental and Resource Economics Workshop (2017); Columbia University Development Colloquium (2017), Interdisciplinary Ph.D. Workshop in Sustainable Development (2016), Columbia University Sustainable Development Colloquium (2015, 2016, 2017)

## Service

Referee: *Ecological Economics*

Reviewer: AERE @ Southern Economic Association Conference 2020

Faculty Hiring Committee, Economics Department, Washington and Lee University, 2020-2021

Student Committee, Sustainable Development Ph.D. Program, Columbia University, 2017-2018

Co-organizer, Sustainable Development Colloquium, Columbia University, 2015-2016

Student Representative, Earth Institute Faculty Meetings, Columbia University, 2015-2016

Co-organizer, Interdisciplinary Workshop in Sustainable Development, Columbia University, 2015

Co-organizer, Alliance Summer School in Science and Policy, Columbia University – Sciences Po, 2014