

# LIN YANG

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## EDUCATION

Cornell University, Ithaca, NY  
Ph.D. in Applied Economics and Management

Expected: May 2021

Cornell University, Ithaca, NY  
M.Sc. in Applied Economics and Management

May 2016

University of Maryland, College Park, Maryland  
B.Sc. in Agricultural and Resource Economics  
Double Major: Economics

May 2014  
with Honors

## TEACHING & RESEARCH FIELD

Applied Microeconomics, Environmental, Resource, and Energy Economics, Urban and Transportation Economics

## PUBLICATIONS

“[Does Subway Expansion Improve Air Quality?](#)” *Journal of Environmental Economics and Management*, with Shanjun Li, Yanyan Liu, and Avralt-Od Purevjav, 2019, 96: 213-235

We examine how the density of the subway network affects air quality in different locations of the city, using historical subway planning as the instrument. We find a one standard deviation increase in subway density improves air quality by two percent.

“[Transportation and the Environment in Developing Countries.](#)” *Annual Review of Resource Economics*, with Shanjun Li, Jianwei Xing, and Fan Zhang, 2020, 12: 389-409

This review summarizes findings in the recent literature on the impacts of a host of urban transportation policies used in both developed- and developing-country settings. The article identifies research challenges and future areas of study regarding transportation policies, which can have important, long-lasting impacts on urban life and global climate change.

## WORKING PAPER

“[Pollution Monitoring, Strategic Behavior, and Dynamic Representativeness](#)” (Job Market Paper)

Using high-resolution satellite-based air pollution measures, I examine the strategic behavior of local governments and its implications on dynamic representativeness based on the staggered roll-out of the monitoring system in China. My analysis shows that local governments target pollution reduction around monitoring stations after monitor installations, leaving pollution elsewhere unchanged or even increased. My results suggest an improved policy design for air quality evaluation, which needs a combination of ground monitoring data and auxiliary pollution information from remote sensing data and public supervision.

## WORK IN PROGRESS

“Environmental Regulation, Firm Location and Pollution Emissions”

“Transportation Infrastructure and Urbanization”

## REFERENCES

### **Shanjun Li (Chair)**

Kenneth L. Robinson Professor, Dyson School of Applied  
Economics & Management, Cornell University

[sl2448@cornell.edu](mailto:sl2448@cornell.edu)

### **Ariel Ortiz-Bobea**

Associate Professor, Dyson School of Applied Economics  
& Management, Cornell University

[ao332@cornell.edu](mailto:ao332@cornell.edu)

### **Ivan Rudik**

Ruth and William Morgan Assistant Professor, Dyson School  
of Applied Economics & Management, Cornell University

[Ir229@cornell.edu](mailto:Ir229@cornell.edu)

## TEACHING EXPERIENCE

### CORNELL UNIVERSITY

Spring 2020	AEM4510/ECON4820 Environmental Economics (TA for Prof. Shanjun Li)
Fall 2019	AEM2500 Environmental and Resource Economics (TA for Prof. Ariel Ortiz-Bobea)
Spring 2019	AEM/CS/IS2770 Computational Sustainability (TA for Prof. Carla Gomes)
Fall 2018, 2017	AEM 2600 Managerial Economics I (TA for Prof. Benjamin Leyden, Prof. Garrick Blacklock)

### UNIVERSITY OF MARYLAND, COLLEGE PARK

Spring 2014	AREC 435 Commodity Futures and Options (TA for Prof. Dale M. Johnson)
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## FELLOWSHIPS & AWARDS

2020 C.V. Starr Fellowship, East Asia Program Area Studies Fellowship, Cornell University.

2016-17 Graduate Fellowship, Cornell University.

## PRESENTATIONS

AEP Seminar, Cornell University (2020); SEERE Workshop, Cornell University (2020, 2019, 2018); Inaugural JEEM Conference in Environmental and Resource Economics, Moss, Norway (2018)

## REFeree SERVICE

Journal of Environmental Economics and Management

## SKILLS

Computer: Stata, R, Python, ArcGIS, LaTeX, MATLAB

Language: Chinese (native), English (fluent)