# Yurou He

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## Education

Ph.D. in Applied Economics and Management (GPA 3.97) — Expected 2027
**Cornell University** — *Ithaca, NY*

M.S. in Applied Economics and Management — 2021
**Cornell University** — *Ithaca, NY*

B.S. in Agricultural Economics — 2019
**China Agricultural University** — *Beijing, China*

## Fields

Environmental, urban, and real estate economics.

Land and housing markets; bargaining and mechanism design.

Climate adaptation, disaster recovery, and land-use change.

## References

**Ariel Ortiz-Bobea**
Associate Professor, Charles H. Dyson School, Cornell University
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**Ivan Rudik**
Associate Professor, Charles H. Dyson School, Cornell University
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**Marco Battaglini**
Edward H. Meyer Professor of Economics, Department of Economics, Cornell University
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**Rohit Lamba**
Assistant Professor, Department of Economics, Cornell University
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## Job Market Paper

"Land Assembly: Outsider Bargaining with a Network."

*Abstract*: Development projects often require assembling contiguous parcels from multiple landowners. Bargaining frictions such as holdouts can raise acquisition costs or even prevent projects from proceeding. This paper studies how asset networks and bargaining order affect assembly success and surplus division. I develop a sequential bargaining model on a land-parcel network and introduce *pivotality* and *assembly centrality* to characterize bargaining positions of landowners. The model predicts that pivotal owners can extract significant surplus. Acquisition order also matters: purchasing peripheral parcels first can improve bargaining positions of remaining central owners by reducing alternative assembly options. Using around 570,000 parcel transactions in U.S. land assembly projects from 2007–2022, I find that an additional pivotal parcel nearly *doubles* the average parcel price of a project. More central parcels sell for higher prices when purchased later in the sequence.

## Publications

Ortiz-Bobea, Ariel, Robert G. Chambers, Yurou He, and David B. Lobell. "Large increases in public R&D investment are needed to avoid declines of US agricultural productivity." *Proceedings of the National Academy of Sciences* 122, no. 11 (2025): e2411010122. **2026 AAEA Quality of Communication Award.**

He, Yurou, and Loren W. Tauer. "Agricultural credit association efficiencies over time and with mergers." *Agricultural and Resource Economics Review* 52, no. 3 (2023): 520-546.

Turvey, Calum G., Jiajun Du, Yurou He, and Ariel Ortiz-Bobea. "A vulnerability index for priority targeting of agricultural crops under a changing climate." *Climatic Change* 166, no. 3 (2021): 34.

## Working Papers

"Creative Destruction or Lasting Decline: Evidence from Post-Disaster Recovery," with Ariel Ortiz-Bobea and Jiong Wu.

"Getting Endorsement from Heterogeneous Experts," with Suraj Malladi.

## Work in Progress

"Mechanism Design for Large-Scale Voluntary Land Assembly," with Yuxuan Ma

"Unmanaged Retreat: Housing Investment and Relocation under Wildfire Risk," with Ariel Ortiz-Bobea

"Disasters, Property Tax Assessments, and Tax Burden Inequality," with Ariel Ortiz-Bobea

"Business Investment and Relocation after Destructive Disasters," with Jiong Wu

"Persistent Temperature Effects on Agricultural Productivity Imply Large Climate Change Damages," with Ariel Ortiz-Bobea and David B. Lobell

"Global Agricultural R&D Needs under Climate Change," with Ariel Ortiz-Bobea and David B. Lobell

"Climate Change, Pollen, and Respiratory Allergies: Evidence from U.S. Healthcare," with Qingli Fan, Jing Li, Daniel Katz, and Ariel Ortiz-Bobea

## Honors/Awards

Quality of Communication Award, Agricultural & Applied Economics Association (AAEA), 2026
*Joint recipient with Ariel Ortiz-Bobea, Robert G. Chambers, and David B. Lobell*

Cornell Dyson Graduate Student – Research Excellence Award, 2025

Cornell Dyson Best Master's Thesis Award, 2022

The Northeastern Agricultural and Resource Economics Association (NAREA) Outstanding MS Thesis Award of Merit, 2022

National Award for Undergraduate Studies (Top 2%), 2018

University Award for Excellence in Study, First Prize (Top 5%), 2018

AN Xiji Award in Agricultural Economic Research, First Prize (Top 5%), 2018

National Training Program of Innovation and Entrepreneurship for Undergraduates, First Prize, 2018

## Conferences & Presentations

"Land Assembly: Outsider Bargaining with a Network."

- The 20th North American Meeting of the Urban Economics Association, Federal Reserve Bank of Chicago, Chicago, Sep 25–26, 2026.
- The 2026 Summer School in Urban Economics, London, United Kingdom, May 11–13, 2026.
- The 15th European Meeting of the Urban Economics Association, CREI, Barcelona, Spain, May 8–9, 2026.
- The Sustainable Environment, Energy and Resource Economics (SEERE) Research Seminar, Cornell University, Spring 2025.
- The 10th Annual Conference on Network Science and Economics, Department of Economics at Stanford University, April 11–13, 2025.
- The Work In Progress Seminar (TWIPS), Cornell University, Fall 2024.

"Creative Destruction or Lasting Decline: Evidence from Post-Disaster Recovery."

- The 2027 ASSA Annual Meeting, Washington, DC, United States, Jan 3–5, 2027 (upcoming).
- The 2026 AAEA Annual Meeting, Kansas City, Missouri, United States, July 26–28, 2026.

- The 7th World Congress of Environmental and Resource Economists (WCERE 2026), Carcavelos-Cascais, Portugal, June 29–July 3, 2026.
- The Toronto Meeting on the Economics of Climate Change (TMEC), Toronto, Canada, June 24–26, 2026.
- The 12th Canadian PhD and Early Career Researcher Workshop in Environmental and Resource Economics, Vancouver, Canada, May 31, 2026.
- The 15th European Meeting of the Urban Economics Association, CREI, Barcelona, Spain, May 8–9, 2026.
- The Sustainable Environment, Energy and Resource Economics (SEERE) Research Seminar, Cornell University, Spring 2026.
- The Work In Progress Seminar (TWIPS), Cornell University, Spring 2026.
- The Sustainable Environment, Energy and Resource Economics (SEERE) Research Seminar, Cornell University, Fall 2025.
- The Association of Environmental and Resource Economists (AERE) Annual Summer Conference, 2025.

“Large increases in public R&D investment are needed to avoid declines of US agricultural productivity."

- The NC1034 Conference, 2024.
- The 2nd Annual Conference of Chinese Association of Environmental and Resource Economists, 2023.
- The Association of Environmental and Resource Economists (AERE) Annual Summer Conference, 2021.
- The Agricultural & Applied Economics Association (AAEA) / Western Agricultural Economics Association (WAEA) Joint Conference, 2021.

“Agricultural credit association efficiencies over time and with mergers."

- The Agricultural & Applied Economics Association (AAEA) / Western Agricultural Economics Association (WAEA) Joint Conference, 2021.

## TEACHING EXPERIENCE

Climate Change Impact Simulation (Undergraduate), Instructor (Summer 2022, Cornell Institute for China Economic Research (CICER) Summer Program)

CICER Summer Program – Econ Track: Coding for Applied Economists / Behavioral Economics / Applied Econometrics, Teaching Assistant (Summer 2022, Cornell)

AEM 6850: Empirical Methods for Applied Economists, Teaching Assistant (Fall 2022 and Spring 2025, Cornell)–4.9/5.0

AEM 7040: Applied Macroeconomics, Teaching Assistant (Fall 2024, Cornell)–4.7/5.0

AEM 3205: Ethics in Business and Organizations, Teaching Assistant (Fall 2026, Cornell)

## RESEARCH EXPERIENCE

Graduate Research Assistant – Fellowship (Fall 2021, Spring 2022, Spring 2024, Fall 2025, Spring 2026)

Research Assistant for Prof. Ariel Ortiz-Bobea (Spring 2023, Fall 2023)

## PROFESSIONAL ACTIVITIES

Referee: *Scientific Data, Food Security, Natural Resources Forum, Letters in Spatial and Resource Sciences, Economics of Disasters and Climate Change*

Reviewer: *Association of Environmental and Resource Economists Summer Conference (2025)*

## SKILLS

R (advanced), Python, MATLAB, Stata