

Luming Chen

CONTACT

6443 Social Sciences Building
1180 Observatory Drive
Madison, WI 53705

Email: luming.chen@wisc.edu
Website: lumingchen.com
Telephone: +1-607-882-4037

EDUCATION

University of Wisconsin-Madison, Madison, WI

Ph.D. in Economics

2022-2024 (*Expected*)

Cornell University, Ithaca, NY

Ph.D. in Economics, transferred to UW-Madison with Committee Chair

2018-2022

Peking University, Beijing, China

M.A. in Economics

2015-2018

B.A. in Economics (Double Major) and B.S. in Biology with distinction

2011-2015

RESEARCH INTERESTS

Industrial Organization, Environmental and Energy Economics, Productivity

WORKING PAPERS

1. "[The Dynamic Efficiency of Policy Uncertainty: Evidence from the Wind Industry](#)." Job market paper. 2023.

Abstract: This paper investigates the dynamic efficiency of policy uncertainty in the US wind energy industry. Policy expiration embedded in the Production Tax Credit induced uncertainty among wind farm investors and expedited investment. I compile a comprehensive data set of the investment, production, and long-term contracts on the US wind energy market. I find significant bunching in the number of new wind farms at the expiration dates of the short policy windows and a large mismatch among wind farm investment timing, continuously improving upstream turbine technology, and evolving demand for wind energy. I then develop an empirical model featuring the bilateral bargaining of long-term contracts, endogenous buyer matching, and dynamic wind farm investment under policy uncertainty. Model estimates reveal that a lapse in policy extension reduced the perceived likelihood of policy renewal to 30%, and counterfactual simulations demonstrate that removing policy uncertainty postpones the entry of 53% of the affected cohort by 3.5 years. Removing policy uncertainty increases the net social surplus by 5.9 billion dollars and could save fiscal expenditure without sacrificing social welfare.

2. “Entry Deregulation, Market Turnover, and Efficiency: China’s Business Registration Reform,” with Panle Jia Barwick, Shanjun Li, and Xiaobo Zhang. 2022. **Review of Economics and Statistics**, revise and resubmit.

Abstract: Although entry regulation is ubiquitous across countries, comprehensive evaluations on how such regulations affect firm dynamics and productivity are lacking. We examine a 2012-2014 pilot program in Guangdong (which later became a national policy) that was designed to reduce firm registration costs and encourage entrepreneurial activities. We leverage the pilot program’s staggered implementation to address the key identification challenge of policy endogeneity. Using administrative data on firms’ business registrations and annual reports from 2008-2016, as well as field surveys, our analysis shows that the reform increased firm entry by 25 % and firm exit by 8.7 % in the manufacturing sector. Altogether, these newly registered firms as a result of the entry deregulation increased Guangdong’s total employment and revenue in the manufacturing sector by 2.5 % and 1.8 %, respectively. In addition, the productivity of post-reform entrants was 1.0 % higher than the productivity of pre-reform entrants, likely due to the combination of relaxed financial constraints and more intense competition.

PUBLICATION

“The Welfare Effects of Vertical Integration in China’s Movie Industry,” with Lisa Xuejie Yi and Chuan Yu. 2023. **American Economic Journal: Microeconomics**, forthcoming.

Abstract: This paper investigates the welfare effects of vertical integration in China’s movie industry. We leverage data covering all theaters and 423 popular movies in China during 2014-2018. We find no evidence of integrated movies being foreclosed to rival theaters. Integrated theaters show their movies for longer, allocate more screenings, and charge lower prices. We estimate a model of consumers’ demand and theaters’ screening decisions. Integrated theaters internalize a substantial fraction of their upstream companies’ profits. Vertical integration both mitigates distortions from revenue-sharing contracts and steers demand favoring integrated movies. Overall, vertical integration increases consumer surplus with considerable heterogeneity across markets.

WORK IN PROGRESS

1. “Spatial Policy Fragmentation and Capacity Misallocation in the Wind Industry.”
2. “Optimal Renewable Subsidies under Uncertainty.”
3. “The Welfare Effects of China’s Environmental Regulation,” with Panle Jia Barwick and Shanjun Li.
4. “Market Efficiency under Tax Kinks: Evidence from Taiwan,” with Yu-Chun (Elisa) Cheng and Hsing-Wen Han.

RESEARCH EXPERIENCE

| | |
|---|------|
| Research Assistant for Panle Jia Barwick, UW-Madison | 2022 |
| Research Assistant for Julieta Caunedo, Cornell University | 2020 |
| Research Assistant for Panle Jia Barwick and Shanjun Li, Cornell University | 2019 |

TEACHING EXPERIENCE

| | |
|--|--|
| Introductory Macroeconomics, Cornell University | <i>Spring 2022</i> |
| Industrial Organization and Competitive Strategy, Cornell University | <i>Fall 2021</i> |
| Introductory Microeconomics, Cornell University | <i>Fall 2021, Spring 2021, Fall 2020</i> |
| CICER Winter Research Program, Cornell University | <i>Winter 2021</i> |
| Game Theory and Information Economics, Peking University | <i>Spring 2018</i> |
| Advanced Macroeconomics I (graduate), Peking University | <i>Fall 2016</i> |
| Intermediate Econometrics, Peking University | <i>Spring 2015</i> |

HONORS, SCHOLARSHIPS, AND FELLOWSHIPS

| | |
|---|------------------|
| Christensen Graduate Fellowship in Empirical Economics, UW-Madison | <i>2023</i> |
| Student Research Grants Competition (SRGC) Award, UW-Madison | <i>2023</i> |
| Ernest Liu Family Outstanding Teaching Award, Cornell University | <i>2021</i> |
| Tapan Mitra Memorial Prize for Third-year Paper, Cornell University | <i>2021</i> |
| Ernest Liu '64 Ta-Chung and Ya-Chao Liu Memorial Fellowship, Cornell University | <i>2019</i> |
| Sage Fellowship, Cornell University | <i>2018</i> |
| University Fellowships/Awards, Peking University | <i>2012-2016</i> |

CONFERENCE PRESENTATIONS

2023

Camp Resources XXIX, Asia Meeting of the Econometric Society, North American Summer Meeting of the Econometric Society, Harvard Climate Economics Pipeline Workshop, Northeast Workshop on Energy Policy and Environmental Economics, AERE Annual Summer Conference, International Industrial Organization Conference

Before 2022

ASSA Annual Meeting (2022, Virtual), North East Universities Development Consortium (2021, Virtual), CES Annual Conference (2021, Virtual), China Meeting of the Econometric Society (2018)

REFEREE SERVICE

The Journal of Industrial Economics ($\times 3$), China Economic Review ($\times 3$), International Journal of Industrial Organization, Resource and Energy Economics

OTHER ACTIVITIES

| | |
|---|------------------|
| Student Organizer, Econometrics Reading Group, Cornell University | <i>2022</i> |
| Mentor, Field of Economics Mentorship Program, Cornell University | <i>2020-2022</i> |
| Co-Organizer, Student IO Reading Group, Cornell University | <i>2019-2021</i> |

ADDITIONAL INFORMATION

Languages: English (fluent) and Mandarin (native)
Software: STATA, MATLAB, R, SQL, and \LaTeX
Citizenship: China

REFERENCES

Panle Jia Barwick (Chair)

The Todd E. and Elizabeth H. Warnock Chair
Department of Economics
University of Wisconsin-Madison
pbarwick@wisc.edu
+1-608-264-2973

Jean-François Houde

Juli Plant Grainger Chair
Department of Economics
University of Wisconsin-Madison
houde@wisc.edu
+1-608-262-7927

Kenneth Hendricks

Laurits R. Christensen Chair
Department of Economics
University of Wisconsin-Madison
hendrick@ssc.wisc.edu
+1-608-263-3869

Shanjun Li

Kenneth L. Robinson Chair
Dyson School of Applied Economics and Management
Cornell University
SL2448@cornell.edu
+1-607-255-1832

Last Update: November 2023