

# SHANJUN LI

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## **CURRENT POSITION**

Professor of Applied Economics and Policy, Cornell University, 2019~; Kenneth L. Robinson Chair (since Nov. 2017)

Co-Director and Co-Founder, Cornell Institute for China Economic Research, 2015~

Faculty Research Fellow, National Bureau of Economic Research (NBER), 2017~

University Fellow, Resources for the Future, 2017~

Affiliations at Cornell University:

- Faculty member in the Graduate Field of Applied Economics and Management
- Faculty member in the Graduate Field of Economics
- Faculty member in the Graduate Field of Public Affairs
- Faculty member in the Graduate Field of Regional Science
- Faculty member in Sustainability and Environmental Sciences
- Faculty member in East Asia Program
- Faculty affiliate with Atkerson Center for a Sustainable Future
- Faculty affiliate with Center for Transport Infrastructure

## **PREVIOUS POSITIONS**

Assistant and Associate Professor of Environmental and Energy Economics and Sustainable Enterprise, Cornell University, July 2011-March 2019

Fellow, Resources for the Future, Washington, DC, Sept 2009 - June 2011

Assistant Professor, Department of Economics, Stony Brook University, Sept 2007 - Aug 2009

## **RESEARCH INTERESTS**

Environmental and Energy Economics, Empirical Industrial Organization, Chinese Economy

## **EDUCATION**

Ph.D. in Economics (2007), Duke University, Durham, NC, USA

M.S. in Agricultural Economics (2002), Michigan State University, East Lansing, MI, USA

B.A. in International Economics (1998), Nankai University, Tianjin, China

## PUBLICATIONS

- Brand Names and Consumer Demand: Evidence from China's Automobile Market, Qi Sun, Fang Wu, Raj Grewal, Shanjun Li, *Journal of Marketing Research*, 56(1):158-175, 2019.
- Dynamics of Technology Adoption and the Critical Mass in the Market for Electric Vehicles, Yiyi Zhou and Shanjun Li, *Journal of Industrial Economics*, 2: 423-480, 2018.
- Better Lucky than Rich? Welfare Analysis of Vehicle License Allocations in Beijing and Shanghai, Shanjun Li, *Review of Economic Studies*, 85(4): 2389-2428, 2018.
- The Efficiency of Local Government: The Role of Privatization and Public Sector Unions, Rhiannon Jerch, Matthew E. Kahn and Shanjun Li, *Journal of Public Economics*, 154: 95-121, 2017.
- The Market for Electric Vehicles: Indirect Network Effects and Policy Impacts, Shanjun Li, Lang Tong, Jianwei Xing and Yiyi Zhou, *Journal of the Association of Environmental and Resource Economists*, 4(1): 89-133, 2017
- Efficiency and Environmental Impacts of Electricity Market Restructuring on Coal-fired Power Plants, Ron Chan, Harrison Fell, Ian Lange and Shanjun Li, *Journal of Environmental Economics and Management*, 81: 1-18, 2017
- Wheels of Fortune: Subway Expansion and Property Values in Beijing, Shanjun Li, Jun Yang, Ping Qin and Shun Chonabayashi, *Journal of Regional Science*, 56(5), 792-813, 2016
- The Market Dynamics of Electric Vehicle Adoption, Zhe Yu, Shanjun Li, Lang Tong, *Transportation Research Part D*, 47: 336-356, 2016.
- Public Bus Procurement: The Role of Regulation, Energy Prices and Federal Subsidies, Shanjun Li, Matthew E. Kahn and Jerry Nickelsburg, *Journal of Urban Economics*, 87: 57-71, 2015.
- Assessing the Role of Renewable Energy Policies in Landfill Gas to Energy Projects, Shanjun Li, Han Kyul Yoo, Molly Macauley, Karen Palmer and Jhih-Shyang Shih, *Energy Economics*, 49: 687-697, 2015.
- The Price Evolution of China's Automobile Market, Shanjun Li, Junji Xiao and Yimin Liu, *Journal of Economics & Management Strategy*, 24(4), 2015
- Are Physicians' Prescribing Decisions Sensitive to Drug Prices? Evidence from a Free-Antibiotics Program, Shanjun Li and Ramanan Laxminarayan, *Health Economics*, 24(2):158-174, 2015.
- A New Look at Residential Electricity Demand Using Household Expenditure Data, Harrison Fell, Shanjun Li and Anthony Paul, *International Journal of Industrial Organization* 33: 37-47, 2014.
- Gasoline Taxes and Consumer Behavior, Shanjun Li, Joshua Linn and Erich Muehlegger, *American Economic Journal: Economic Policy*, 6(4):302-342, 2014.

- How Should Different Countries Tax Fuels to Correct Environmental Externalities? Ian Parry, Dirk Heine, Shanjun Li and Eliza Lis, *Economics of Energy & Environmental Policy*, 3(2), 2014.
- Getting Energy Prices Right: from Principle to Practice, Ian Parry, Eliza Lis, Dirk Heine and Shanjun Li, Book (183 pages), International Monetary Fund Press, 2014
- How Important Are Endogenous Peer Effects in Group Lending? Estimating a Static Game of Incomplete Information, Shanjun Li, Yanyan Liu and Klaus Deininger, *Journal of Applied Econometrics*, 28(5): 864-882, 2013.
- Evaluating "Cash-for-Clunkers": Program Effects on Auto Sales and the Environment, Shanjun Li, Joshua Linn and Elisheba Spiller, *Journal of Environmental Economics and Management*, 65(2): 165-193, 2013.
- Firm Competitiveness and EU Emissions Trading System, Ron Chan, Shanjun Li and Fan Zhang, *Energy Policy*, 63: 1056-1064, 2013.
- Traffic Safety and Vehicle Choice: Quantifying the Arms Race on American Roads, Shanjun Li, *Journal of Applied Econometrics*, 27(1): 34-62, 2012.
- Is There an Energy Paradox in Fuel Economy? Antonio Bento, Shanjun Li and Kevin Roth, *Economics Letters*, 115(1): 44-48, 2012.
- Cost-Effectiveness of Electricity Energy Efficiency Programs, Toshi Arimura, Shanjun Li, Richard Newell and Karen Palmer, *Energy Journal*, 33(2): 63-99, 2012
- Lose Some, Save Some: Obesity, Automobile Demand, and Gasoline Consumption, Shanjun Li, Yanyan Liu and Junjie Zhang, *Journal of Environmental Economics and Management*, 61(1): 52-66, 2011.
- Gasoline Prices, Government Support, and the Demand for Hybrid Vehicles, Arie Beresteanu and Shanjun Li, *International Economic Review*, 52(1): 161-182, 2011.
- How Do Gasoline Prices Affect Fleet Fuel Economy? Shanjun Li, Chris Timmins, and Roger von Haefen, *American Economic Journal: Economic Policy*, 1(2): 113-137, 2009.

## **WORKING PAPERS**

- The Cost of Greening Stimulus: A Dynamic Discrete Analysis of Vehicle Scrappage Programs, Shanjun Li and Chao Wei, 2nd R&R at *International Economic Review*
- The Marginal Cost of Traffic Congestion: Evidence from a Natural Experiment in Beijing, Shanjun Li, Avraam Purevjav and Jun Yang, resubmitted to *American Economic Journal: Economic Policy*
- Boycotts and Demand Spillovers Related to Country-of-Origin: The Case of China's Auto Market, Qi Sun, Fang Wu, Shanjun Li, Raj Grewal, R&R at *Management Science*
- Tightening Belts to Buy a Home: Consumption Responses to Rising Housing Prices in Urban China, Andrew Waxman, Yuanning Liang, Shanjun Li, Panle Jia Barwick, R&R at *Journal of Urban Economics*

- Local Protectionism, Market Structure, and Social Welfare: China's Automobile Market, Panle Jia Barwick, Shengmao Cao and Shanjun Li, R&R at *American Economic Journal: Economic Policy*
- Does Subway Expansion Improve Air Quality?, Shanjun Li, Yanyan Liu, Avralt-Od Purevjav, Lin Yang, R&R at *Journal of Environmental Economics and Management*
- Emissions Trading and Firm Innovation: Evidence from a Natural Experiment in China, Shenggang Ren, Yucai Hu, Shanjun Li, Jingjing Zheng, Yangjie Wang
- Agricultural Fires and Cognitive Function: Evidence from Crop Production Cycles, Wangyang Lai, Yanan Li, Xiaohui Tian, and Shanjun Li
- The Morbidity Cost of Air Pollution: Evidence from the World's Largest Payment Network, Panle Jia Barwick, Shanjun Li, Deyu Rao, Nahim bin Zahur
- The Dynamic Efficiency of Resource Allocation: Evidence from License Plate Allocations in Beijing, Youming Liu, Shanjun Li, Caixia Shen
- What Does an Electric Vehicle Replace? Jianwei Xing, Ben Leard, Shanjun Li

## GRANTS AND AWARDS

- CTECH grant (\$60k), Shanjun Li (PI) and Panle Jia Barwick (PI), 2017-2018. Infrastructure Investment and Community Health
- 3ie Impact Evaluation (\$340k), Shanjun Li (PI) and Yanyan Liu (Co-PI), 2017-2019. The Impacts of Transportation Infrastructure Investment in Beijing
- Cornell Lehman Fund (\$14k), Panle Jia Barwick and Shanjun Li, 2016-2017. China's Transportation Policies
- Cornell ISS Theme Project (\$150k), Jeremy Wallace, Panle Jia Barwick, Eli Friedman, Shanjun Li, Jessica Chen Weiss, 2016-2019, China's Cities
- NSF CREATIV Grant (\$700k), Lang Tong (PI) and Shanjun Li (Co-PI), 2012-2016, an engineering and economic pathway to EV-based transportation
- NET Institute Summer Grant (\$3k), with Yiyi Zhou, 2015, The Critical Constraint in the EV Market.
- USDA Hatch Funding (\$67k), 2012-2015, Renewable Energy and Employment
- Cornell Lehman Fund (\$14k), 2013-2014, Transportation Policies in China
- Cornell ACSF Rapid Response Fund (\$20k), 2012-2013, Supplement to NSF Grant
- Cornell Institute of Social Sciences Small Grant (\$12k), 2012-2013, Employment Impacts of Renewable Energy Investment
- Cecil and Ida Green Honors Professor, Texas Christian University, 2017-2018
- Cornell ACSF SSHA Resident Fellowship, Spring 2017

- Cornell College of Agriculture and Life Sciences Early Achievement Award, 2015
- Public Utility Research Prize for the best paper in regulatory economics, IIOC 2014
- Outstanding Graduate TA Award, Duke Economics, Fall 2005, Spring 2005

## TEACHING

- AEM 7100, Econometrics (PhD)
  - Spring 2012-2017, enrollment (30, 34, 20, 35, 27, 32), evaluation (4.9/5.0, 4.8, 4.9, 4.6, 4.9, 4.8)
- AEM4510, Environmental Economics (undergraduate)
  - Spring 2012-2015, enrollment (41, 50, 52, 55), evaluation (4.2/5.0, 4.5, 4.6, 4.3)
- AEM 7120, Applied Microeconomics (PhD, environmental module)
- AEM 7150-7151, Dyson 2nd-Year Paper (PhD)

## GRADUATE ADVISING (\*indicates committee chair)

**PhD Completed:** Wooyoung Jeon (Korea Research Institute); Ben Leard (Research Fellow, Resources for the Future); Scarlett Zuo (Data Scientist, Zurich); Kuming Chang (Ewha School of Business); Esther Chiew (Postdoc at Cornell); Teevrat Garg (Assistant Prof. UC-San Diego); Parul Sharma (Economist at SEC); Shun Chonabayashi (YP at World Bank); Leah Bevis (Assistant Prof, OSU); Taha Kasim (Assistant Prof., Furman); Richard Klotz (Assistant Prof, Colgate); Andrew Simon (Assistant Prof., Fordham); Dennis Tai; Chen Wang (hedge fund); Andrew Waxman (Assistant Prof., ASU); Zhe Yu (Fellow, China Electricity Research Institute); Jennifer Cisse (USAID); Sanket Roy (American University of Sharjah); Yiwei Wang (Center for Governmental Research); Jianwei Xing\* (Assistant Professor, Beijing University), Rhiannon Jerch\* (Assistant Professor, Temple University), Tom Eisenberg (Assistant Professor, University of Delaware)

**PhD in Progress:** Avralt-Od Purevjav\*; Jing Qian\*; Yuanning Liang\*; Nahim bin Zahur (Econ); Lu Liao (CRP); Lin Yang\*; Prateek Bansal (CEE); Deyu Rao\*

**MS Completed:** Muhammad Jawad Khan (Professor in Pakistan); Gregory Lane (PhD student at Berkeley); Elizabeth Spink (Harvard Kennedy); Han Kyul Yoo\* (Maryland); Pei Zhu\* (Energy analyst in UK); Jing He\* (Citibank); Xiaoyang He (IFPRI); Sogol Kananizadeh\* (Jones Lang Lasalle); Jing Qian (Dyson PhD); Yijia Tang; Jianwei Xing\* (Dyson PhD); Yuanyuan Pan\* (Axtia); Kaihang Shi\* (China Ministry of Transportation); Boya Wang\* (IQPC); Lin Yang\* (Dyson PhD); Zhaoyu Zeng\* (Unionpay Advisors); Jingyuan Wang\* (University of Chicago); Ruyu Chen (Dyson PhD); Deyu Rao\* (Dyson PhD); Qingrun Meng (Analysis Group); Jidong Ma\* (China Development Bank); Binzhe Wang\* (MIT PhD)

## UNIVERSITY SERVICE

- 2018-2019: Hotel School Real Estate Finance Search Committee; SC Johnson College of Business Dean's Search Committee; Cornell China Center Faculty Advisory Committee

- 2017-2018: Dyson Environmental Economics Search Committee (co-chair), SC Johnson College of Business Dean's Search Committee, ACSF Faculty Advisory Committee, Faculty Steering Committee for ACSF-TNC Research RFP, CIPA MPA Admission Committee
- 2016-2017: Dyson Graduate Admission Committee; Dyson Dean Search Committee; Dyson Environmental Economics Search Committee (chair); CCB Faculty Governance Committee; CCB Vision and Mission Committee; ACSF Faculty Advisory Committee; Faculty Steering Committee for Cornell China Center Initiative; Cornell Sustainability Initiative Task Force; CIPA MPA Admission Committee; Environmental, Urban and Real Estate Seminar Series Co-Organizer
- 2015-2016: Dyson Graduation Admission Committee; Dyson Strategic Planning Committee; Dyson Faculty Advisory Committee; CAS/CALS Committee on Environmental Studies/Science; Environmental, Urban and Real Estate Seminar Series Co-Organizer

## **PROFESSIONAL SERVICE**

**Co-Editor:** Journal of the Association of Environmental and Resource Economists, 2016~

**Associate Editor:** Resource and Energy Economics, 2014~

**Associate Editor:** China Economic Review, 2018~

**Editorial Council:** Journal of Environmental Economics and Management, 2011~

**Editorial Board:** Journal of Urban Economics, 2018~

**Editorial Council:** Journal of the Association of Environmental and Resource Economists, 2014 - 2016

**Committee:** Wallace Oates Outstanding Doctoral Dissertation Award (AERE), 2018-

## **SELECTED MEDIA COVERAGE**

CGTN -Global Business (7/19/2018); <https://www.economist.com> (6/28/2018); <http://www.detroitnews.com> (4/17/2018); <http://www.voxchina.org> (8/23/2017); <http://paper.people.com.cn> (6/17/2017); <http://www.scmp.com/news> (5/8/17); <http://www.forbes.com> (4/20/2016); <http://www.richmond.com> (7/5/2015); <http://www.dailyfinance.com> (3/12/2015); <http://env.people.com.cn> (2/11/2015); <http://ens-newswire.com> (2/2/1015); <https://www.nsf.gov> (1/29/2015); <http://www.forbes.com> (11/11/2014); <http://www.huffingtonpost.com> (8/12/2014); <http://www.thestarphoenix.com> (8/1/2014); <http://www.wallethub.com> (6/8/2014); NPR Marketplace (2/27/2014); <http://www.theatlanticcities.com> (12/06/2013); Associated Press (5/27/2012, featured in Foxnews, Salon.com, Washington Times); Economic Logician (3/22/2012); Washington Post (3/14/2012); Harvard Gazette (3/5/2012); Wall Street Journal (12/3/2011); Outsidethebeltway.com (12/9/2011); Washington Post (11/4/2011); Miller-McCune Journal (11/2/2011); Forbes.com (8/18/2011); International Business Times (2/18/2011)