

SHANJUN LI

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CURRENT POSITION

Associate professor of Environmental and Energy Economics and Sustainable Enterprise, Cornell University, 2015~; Kenneth L. Robinson Chair (since Nov. 2017);

Co-Director, 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 Professor of Environmental and Energy Economics and Sustainable Enterprise, Cornell University, July 2011-June 2015

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

1. Dynamics of Technology Adoption and the Critical Mass in the Market for Electric Vehicles, Yiyi Zhou and Shanjun Li, forthcoming at *Journal of Industrial Economics*
2. 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.
3. Better Lucky than Rich? Welfare Analysis of Vehicle License Allocations in Beijing and Shanghai, Shanjun Li, forthcoming at *Review of Economic Studies*
4. 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
5. 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
6. 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
7. The Market Dynamics of Electric Vehicle Adoption, Zhe Yu, Shanjun Li, Lang Tong, *Transportation Research Part D*, 47: 336-356, 2016.
8. 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.
9. 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.
10. The Price Evolution of China's Automobile Market, Shanjun Li, Junji Xiao and Yimin Liu, *Journal of Economics & Management Strategy*, 24(4), 2015
11. 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.
12. 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.
13. Gasoline Taxes and Consumer Behavior, Shanjun Li, Joshua Linn and Erich Muehlegger, *American Economic Journal: Economic Policy*, 6(4):302-342, 2014.
14. 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.

15. 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
16. 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.
17. 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.
18. Firm Competitiveness and EU Emissions Trading System, Ron Chan, Shanjun Li and Fan Zhang, *Energy Policy*, 63: 1056-1064, 2013.
19. Traffic Safety and Vehicle Choice: Quantifying the Arms Race on American Roads, Shanjun Li, *Journal of Applied Econometrics*, 27(1): 34-62, 2012.
20. Is There an Energy Paradox in Fuel Economy? Antonio Bento, Shanjun Li and Kevin Roth, *Economics Letters*, 115(1): 44-48, 2012.
21. Cost-Effectiveness of Electricity Energy Efficiency Programs, Toshi Arimura, Shanjun Li, Richard Newell and Karen Palmer, *Energy Journal*, 33(2): 63-99, 2012
22. 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.
23. Gasoline Prices, Government Support, and the Demand for Hybrid Vehicles, Arie Beresteanu and Shanjun Li, *International Economic Review*, 52(1): 161-182, 2011.
24. 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

1. 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*
2. The Marginal Cost of Traffic Congestion: Evidence from a Natural Experiment in Beijing, Shanjun Li, Avraam Purevjav and Jun Yang, R&R at *American Economic Journal: Economic Policy*
3. Flexible-Fuel Vehicle Adoption and the Biofuel Market, Xiaodong Du and Shanjun Li, R&R at *Energy Journal*
4. Brand Names and Consumer Demand: Evidence from China's Automobile Market, Qi Sun, Fang Wu, Raj Grewal, Shanjun Li, 2nd R&R at *Journal of Marketing Research*
5. Local Protectionism, Market Structure, and Social Welfare: China's Automobile Market, Panle Jia Barwick, Shengmao Cao and Shanjun Li, under review
6. Air Pollution, Health Spending, and Willingness to Pay for Clean Air in China, Panle Jia Barwick, Shanjun Li, Deyu Rao, Nahim bin Zahur

7. Agricultural Fires and Cognitive Function: Evidence from Crop Production Cycles, Wangyang Lai, Yanan Li, Xiaohui Tian, and Shanjun Li
8. Anti-corruption and Economic Activities: City-Level Evidence, Panle Jia Barwick, Hanming Fang, Shanjun Li, and Jing Qian
9. The Mortality Impact of Fine Particulate Matter in China, Yazhen Gong, Shanjun Li, Nick Sanders, and Guang Shi

WORK IN PROGRESS

- Causes and consequences of environmental degradation in China
- Market structure and quality provision in China's automobile industry
- Demand for electric vehicles and policy design
- Economy-wide impacts of infrastructure investment
- Transportation policies and sorting in the housing market

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
- 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 College of Agriculture and Life Sciences Early Achievement Award, 2015
- Public Utility Research Prize for the best paper in regulatory economics, IIOC 2014

TEACHING

- Econometrics (PhD)
 - Spring 2012-16, enrolment (30, 34, 20, 35, 27), evaluation (4.9/5.0, 4.8, 4.9, 4.6, 4.9)
- Environmental Economics (undergraduate)
 - Spring 2012- 2015, enrolment (41, 50, 52, 53), evaluation (4.2/5.0, 4.5, 4.6, 4.2)
- Applied Microeconomics (PhD, environmental module)
 - Spring 2016, enrolment (9), evaluation (5.0/5.0)
- Dyson 2nd-Year Paper (PhD), 2015, 2016, 2017

UNIVERSITY SERVICE

- 2017-2018: Dyson Environmental Economics Search Committee (co-chair); Faculty Steering Committee for ACSF-TNC Research RFP
- 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
- 2015-2016: Dyson Graduation Admission Committee; Dyson Strategic Planning Committee; Dyson Faculty Advisory Committee; CAS/CALS Committee on Environmental Studies/Science
- 2014-2015: Dyson Undergraduate Research committee; Graduate Program Petition and Theory Competency committee
- 2013-2014: Dyson Awards committee; Graduate Program Financial Aid Committee; Graduate Program Self-Assessment committee

PROFESSIONAL SERVICE

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

Associate Editor: Resource and Energy Economics, 2014~

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

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

Journal and Grant Reviewer:

American Economic Journal: Applied Economics (3); American Economic Journal: Economic Policy (4); B.E. Journal of Economic Analysis and Policy; China Economic Review; Economic Inquiry; Economic Journal; Economics of Transition; Economics of Transport; Emerging Markets Finance and Trade; Energy Journal (6); Energy Economics (4); Energy Policy (3); Environmental Economics and Policy Studies; Environmental and Resource Economics (2); European Economic Review; International Economic Review; Journal of Applied

Econometrics; Journal of the Association of Environmental and Resource Economists (6); Journal of the Association of European Economic Association; Journal of Business and Economic Statistics; Journal of Comparative Economics; Journal of Environmental Economics and Management (≈ 20); Journal of Industrial Economics; Journal of Policy Analysis and Management; Journal of Public Economics (2); Journal of Urban Economics (3); National Science Foundation (ad hoc and panel review, 9); PNAS (3); Rand Journal of Economics; Regional Science and Urban Economics; Review of Economic Studies; Review of Economics and Statistics (2); Quarterly Journal of Economics; Science; Transportation Research Parts A,B,D

SELECTED MEDIA COVERAGE

<http://www.voxchina.org> (8/23/2017); <http://paper.people.com.cn> (6/17/2017); <http://www.scmp.com/news> (5/8/17); www.forbes.com (4/20/2016); www.dailyfinance.com (3/12/2015); <http://env.people.com.cn> (2/11/2015); <http://ens-newswire.com> (2/2/1015); www.forbes.com (11/11/2014); www.huffingtonpost.com (8/12/2014); www.thestarphoenix.com (8/1/2014); Wallethub.com (6/8/2014); NPR Marketplace (2/27/2014); www.theatlanticcities.com (12/06/2013); Associated Press (5/27/2012, also featured in Foxnews.com, 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)

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)

PhD in Progress: Tom Eisenberg (Econ); Rhiannon Jerch*; Avralt-Od Purevjav*; Jing Qian*; Jianwei Xing*; 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* (Axtria); 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)

ACADEMIC PRESENTATIONS (Last 5-years)

- 2018 (Scheduled): University of Maryland; Chinese University of Hong Kong; National University of Singapore; Texas Christian University; NBER Spring Workshop; MIT (sloan); Duke University
- 2017: Annual American Economic Association Meeting, Chicago (Jan., congestion pricing); 4th Northeast Workshop on Environmental and Energy Policy at Dartmouth (June, co-organizer and discussant); Conference on Environmental and Energy Economics at Beijing University (June, co-organizer and presenter); Beihang University (June, local protectionism); Shandong University (June, local protectionism); Shanghai University of Finance and Economics (June, congestion pricing); AERE annual meeting (June, congestion pricing); China-India Insights Conference in New York (Sept., air pollution and health); George Washington University (Oct., air pollution and health); University of Chicago (Oct., air pollution and health); Penn State (Oct., air pollution and health); Clemson (Nov., air pollution and health); MIT (Nov., air pollution and health); University of Arizona (Dec., air pollution and health)
- 2016: Annual American Economic Association Meeting, San Francisco (Jan., Session Chair and Discussant); Arizona State University (March, Local protectionism); University of California -Davis (April, Local protectionism); Jinan University (July, Local protectionism); Indiana University (Sept., Local Protectionism); NBER Chinese Economy Working Group (Oct., Local protectionism); Renmin University (Oct., Congestion pricing); Brookings-Tsinghua Center (Oct., Congestion pricing)
- 2015: Annual American Economic Association Meeting, Boston (Jan., Welfare Analysis of China's Fuel Economy Standards); University of Michigan (March, Indirect Network Effects and the Diffusion of Electric Vehicles); Tufts University (April, Environmental and Energy Challenges in China); National Tax Association (April, Indirect Network Effects and the Diffusion of Electric Vehicles); 3rd Northeast Workshop on Environmental and Energy Policy at Yale (May, Indirect Network Effects and the Diffusion of Electric Vehicles); Biennial Conference of China Development Studies (June, Welfare Analysis of Vehicle License Quota Systems in Beijing and Shanghai)
- 2014: Annual American Economic Association Meeting, Philadelphia; NBER Workshop on China's Environment; University of Massachusetts-Amherst, Resource Economics; Shanghai University of Economics and Finance; International Industrial Organization Conference; University of Alabama; University of California-Berkeley, Energy Institute at Haas; World Congress of Environmental and Resource Economists; NBER Summer Institute; Duke University; University of Calgary; Cornell University, City and Regional Planning; Colorado School of Mines; University of Connecticut Economics; NBER China Meeting; Texas A&M Economics; MIT CEEPR; Jinan University
- 2013: Ford Motor Company, Dearborn, MI; Economics of Low-Carbon Market, Ribeirao Preto, Brazil; Southern Economics Association Meeting, Tampa, FL; Binghamton University; Shanghai University of Economics and Finance; Shandong University, China; International Industrial Organization Conference; International Monetary Fund; University of Wisconsin-Madison