

# XINGCHI SHEN

Email: [xcshen@umd.edu](mailto:xcshen@umd.edu)

## EDUCATION

---

<b>University of Maryland College Park (UMD)</b> <i>Ph.D. student in Policy Studies, School of Public Policy</i>	Aug. 2018 – current. <i>College Park, MD, USA</i>
<b>Shanghai Jiao Tong University (SJTU)</b> <i>M.A. in Management, Dept. of Public Economics and Social Policy</i>	Sept. 2015 - Mar. 2018 <i>Shanghai, China</i>
<b>Shanghai Jiao Tong University (SJTU)</b> <i>B.A. in Management, Dept. of Public Administration</i>	Sept. 2011 - July. 2015 <i>Shanghai, China</i>

## RESEARCH INTERESTS

---

Sustainable Energy Policy, Energy Efficiency Economics, Machine Learning and Big Data

## PUBLICATIONS

---

**Xingchi Shen**, Shoujun Lyu, 2019. Wind power development, government regulation structure, and vested interest groups: Analysis based on panel data of Province of China. **Energy Policy**, 128, pp.487-494.

Shoujun Lyu, **Xingchi Shen**, Xiaomin Zhang, 2015, “Research on the Dilemma of Haze Governance in China—Analysis Based on the Theory of Environmental Regulation,” Journal of Shanghai Jiao Tong University, philosophy and social science edition (**CSSCI**) 23(6):50-56.

## CONFERENCES

---

“Heat Pumps' Impact on Housing Prices and Implications for Policy Instruments to Facilitate Electrification and Deep Decarbonization” presented at the **1st DC Area Student/Professor Environmental and Energy Economics Workshop**, College Park, MD, USA, August 7, 2019.

“Wind Power Development, Government Regulation and Vested Interest Groups in China: Analysis Based on Panel Data of Provinces” presented at the **Global City Forum** (Panel: the Application of Big Data in Smart City), Shanghai, China, October 29, 2017.

“PM2.5 and Countermeasures in China: An Exploratory Study based on Environmental Regulation Theory” presented at the **HKU-USC-IPPA Conference on Public Policy** (Panel: Public Management for the Complex Policy World), Hong Kong, China, June 10, 2016.

## RESEARCH PROJECTS

---

<b>Realizing the Full Value of Flexible Electric Heating</b> <i>Advised by Prof. Yueming Qiu</i>	Apr. 2019 - current <i>UMD</i>
---	-----------------------------------

- Participate in a research project funded by **Alfred P. Sloan Foundation**.
- Estimate the causal impact of policy interventions on heat pump adoption.

- Estimate how heat pump installation affects housing prices and compare the price premiums with the net private benefits and environmental benefits estimated to assess whether the market is efficient to incorporate the net benefits of heat pumps.

### **Home Energy-Efficiency Improvements via Big-Data Analysis**

Aug. 2018 - current

*Advised by Prof. Yueming Qiu*

UMD

- Participate in a research project funded by **National Science Foundation** CAREER award.
- Transform empirical analysis of home energy-efficiency improvements into an accurate, generalizable, and scalable process.
- Develop a big data-driven energy-efficiency causal impact evaluation framework and provide reliable statistical evidence of the realized energy savings.

## **POSITIONS**

### **Center for Global Sustainability, University of Maryland**

Aug. 2018 – current.

*Research Assistant*

### **Deputy Secretary General of the Students' Union of Shanghai Jiao Tong University**

2015-2016

- Managed and conducted the Students' Union of SJTU, which has about **1000** members.
- Organized various large-scale university-level activities covering aspects of culture, innovation, practice.

### **Instructor of the Youth League Committee of Shanghai Jiao Tong University**

2014-2016

- Provided guidance and leadership to the student associations' union, serving ca. **300** student associations.
- Organized the fifth Youth Culture & Creation Festival in 2016, which attracted almost **15,000** visitors.

## **AWARDS & SCHOLARSHIPS**

37th USAEE/IAEE North American Conference Student Registration Scholarship	2019
Shanghai (China) Outstanding Graduate Award	2018
National (China) Scholarship for Outstanding Graduate Students	2016
The 2015 Excellent Bachelor Thesis Prize (Top 1%) of Shanghai Jiao Tong University	2015
The American Committee of 100 Leadership Scholarship Program Nomination	2016
Award for Excellent Student Cadre of Shanghai Jiao Tong University	2016
Award for Excellent Student-Instructor of Shanghai Jiao Tong University	2016

## **TRAINING**

2019 UC Berkeley/Sloan Summer School in Environmental and Energy Economics

## **SKILLS**

Python, R, Stata, LATEX, Adobe Suite, ArcGIS, Origin, Tableau