

# Yutong Si

School of Public Policy and Urban Affairs, Northeastern University

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## Education

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### DEGREES

**Northeastern University** | *Boston, MA*

Ph.D., Public Policy 2024 (expected)

*Dissertation:* Energy Justice, Energy Policy, and Transformative Climate Action

**Southeast University** | *Nanjing, China*

M.A., Public Administration, national scholarship & outstanding graduate student 2019

B.A., Political Science and Public Administration, invited to enter the M.A. program 2016

### NON-DEGREES

**The Education University of Hong Kong** | *Hong Kong, China* Aug. 2019

Scholar at the 2nd International Summer Training Camp for Young Public Policy Researchers

**Nankai University** | *Tianjin, China* July 2019

Scholar for the 9th China International Civil Servants Capacity Building Program, hosted by the UN Association of China

**IES Abroad** | *Vienna, Austria & Geneva, Switzerland* Feb. 2019

Selected Participant for the Short Course of International Organizations

**Huazhong Agricultural University** | *Wuhan, China* Jan. 2018

Participant in the Applied Social Science Research Methods Training Workshop

## Scholarly Interests

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Energy Justice, Climate Communication, Social Media, Computational Methods, Social Network Analysis

## Publications

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### JOURNAL ARTICLES

Xiao, Yu, **Yutong Si**, and Yue Guo. Forthcoming. "The Evolution of Social Network Analysis in Public Administration." *Chinese Public Administration Review*.

Ding, Yueting, **Yutong Si**, Kewei Xu, Shuang Zhang, and Zhaohua Wang. 2023. "Spatial Disparity of Utility-Scale Solar Energy and the Role of Solar Policy in the U.S." *Energy Strategy Reviews* 50:101179. doi: 10.1016/j.esr.2023.101179.

**Si, Yutong**, Dipa Desai, Diana Bozhilova, Sheila Puffer, and Jennie C. Stephens. 2023. "Fossil Fuel Companies' Climate Communication Strategies: Industry Messaging on Renewables and Natural Gas." *Energy Research & Social Science* 98:103028. doi: 10.1016/j.erss.2023.103028.

- Kinol, Alaina, Elijah Miller, Hannah Axtell, Ilana Hirschfeld, Sophie Leggett, **Yutong Si**, and Jennie C. Stephens. 2023. "Climate Justice in Higher Education: A Proposed Paradigm Shift towards a Transformative Role for Colleges and Universities." *Climatic Change* 176(2):15. doi: 10.1007/s10584-023-03486-4.
- Si, Yutong**. 2022. "Co-Authorship in Energy Justice Studies: Assessing Research Collaboration through Social Network Analysis and Topic Modeling." *Energy Strategy Reviews* 41:100859. doi: 10.1016/j.esr.2022.100859.
- Si, Yutong**, and Jennie C. Stephens. 2021. "Energy Justice Through Solar: Constructing and Engaging Low-Income Households." *Frontiers in Sustainable Cities* 3:20. doi: 10.3389/frsc.2021.632020.
- Si, Yutong**. 2020. "Implementing Targeted Poverty Alleviation: A Policy Implementation Typology." *Journal of Chinese Governance* 1–16. doi: 10.1080/23812346.2020.1802212.

## BOOK CHAPTERS

- Kane, Michael, Elizabeth Allen, **Yutong Si**, and Jennie C. Stephens. 2023. "Sharing in Future Electric Energy Systems." Pp. 191–209 in *Reengineering the Sharing Economy: Design, Policy, and Regulation*, edited by B. Heydari, O. Ergun, R. Dyal-Chand, and Y. Bart. Cambridge: Cambridge University Press.

## WHITE PAPERS

- Kimmell, Ken, Alaina Boyle, **Yutong Si**, and Marisa Sotolongo. 2022. "A User's Guide to Environmental Justice: Theory, Policy, & Practice." School of Public Policy and Urban Affairs, Northeastern University

## Publications in Chinese

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- Si, Yutong**. 2019. "Research on the Policy Implementation Process of Targeted Poverty Alleviation in Village L: From the Perspective of 'State in Society' Theory" (in Chinese). Outstanding Thesis. Southeast University. *China National Knowledge Infrastructure (CNKI)*. DOI: 10.1017/cbo9781107239029.011
- Si, Yutong**. 2017. "Research on the Targeted Poverty Alleviation on the Model of Wuzhou in Guangxi Zhuang Autonomous Region: A Perspective from 'Elite Theory'" (in Chinese). *Journal of Sichuan Administration College* (5), 93-99.

## Manuscripts Under Review

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- Kinol, Alaina, **Yutong Si**, John Kinol, and Jennie C. Stephens. "Networks of climate obstruction: How fossil energy, plastic, and agricultural industries deny and delay climate policy on social media." Revise & Resubmit, *PLOS Climate*.
- Si, Yutong**. "A holistic approach to narrative strategies: How advocacy groups tell their stories about oil and gas on Twitter." Under Review in *Policy Studies Journal*.
- Desai, Dipa, **Yutong Si**, Diana Bozhilova, Sheila Puffer, and Jennie C. Stephens. "Renewable Reporting of Fossil Fuel Companies: Corporate Communication as the Climate Crisis Worsens." Under review in *Global Sustainability*.
- Si, Yutong**, Alaina Kinol, and Hongtao Yi. "Public discourse on SDG7: Examining hashtag co-occurrence networks and social justice messaging on Twitter." Under review in *Sustainable Development*.
- Si, Yutong**, and Jennie C. Stephens. "An Energy Justice Analysis of the Global Renewable Energy Transformation." Chapter in "Making A Global Just Transition Possible? A Critical Assessment of the Fossil Fuel and Renewable Energy." Edward Elgar Publishing.

## Work in Progress

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**Si, Yutong**, Alaina Kinol, John Kinol, and Jennie C. Stephens. “An obstructive social network: How fossil energy, plastic, and agrichemical industries interact with educational organizations on social media?”

**Si, Yutong**, and Yue Guo. “Renewable Messaging of Fossil Fuel Companies: Corporate Communication Strategies in Authoritarian Regimes.”

**Si, Yutong**. “Machine Learning Meets Climate Communication Research: Topics and Trends over 40 Years.”

## Grants, Fellowships & Awards

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|   |             |
|---|-------------|
| NULab for Texts, Maps, and Networks Seedling Grant (\$500) in support of data collection, Northeastern University   | Dec. 2023   |
| 2023 Association for the Advancement of Sustainability in Higher Education (AASHE) Sustainability Award for <i>Climate justice in higher education: a proposed paradigm shift towards a transformative role for colleges and universities</i> | Dec. 2023   |
| Travel Funding Award (\$1000), Northeastern University  | Aug. 2023   |
| American Political Science Association (APSA) Travel Grant  | June 2023   |
| NULab/DITI (Digital Integration Teaching Initiative) Research Fellowship  | Summer 2023 |
| 2022 Service Excellence Award, Chinese Policy Scholars Group (CPSG)   | April 2023  |
| International Public Policy Association (IPPA) Grant and Toronto Metropolitan University Travel Funding in Support of Conference Participation (ICPP6)  | March 2023  |
| Travel Funding Award (\$1000), Northeastern University  | Fall 2022   |
| Fall 2022 CSSH Experiential Fellowship in the amount of \$13,000, Northeastern University   | Fall 2022   |
| Travel Funding (\$3000), Tier 1 Seed Grant Program, Northeastern University   | June 2022   |
| Grant for APC (Article Publishing Charge) in Energy Strategy Reviews (\$2580), Elsevier   | May 2022    |
| Summer Research Assistantship, worked on the NSF-funded project Labor Narratives, Decarbonization and Extreme Weather Events (PI: Dr. Sara Constantino)   | Summer 2022 |
| Travel Funding Award (\$1000), Northeastern University  | March 2022  |
| Outstanding Master Thesis Award (\$300 USD), Southeast University   | June 2020   |
| Fellowship for the 9 <sup>th</sup> China International Civil Servants Capacity Building Program   | July 2019   |
| Outstanding Master Graduate, Southeast University   | June 2019   |
| Fellowship for Attending the IES-SAF Vienna-Geneva Short Course of International Organizations (\$1440 USD)   | Feb. 2019   |
| Outstanding Graduate Student, Southeast University  | Nov. 2018   |
| National Scholarship for Graduate Students (\$3162 USD, the highest Chinese government award for university students), Central Government of China  | Nov. 2017   |
| Postgraduate Academic Scholarship, Central Government of China  | 2016-2018   |
| Excellence Award for the 3rd English Academic Paper Writing for Postgraduates, Southeast University   | June 2017   |
| Third Prize Paper Award for the 8th “Action and Knowledge” Forum at Nanjing Agricultural University   | May 2017    |
| Second Prize Award for the 5th Simulation International Conference (Keynote Speaker), Southeast University  | Mar. 2017   |
| The Star of the Postgraduate Union, School of Humanities at SEU   | Dec. 2016   |

## Conference Presentations

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- ASPA 2024 Conference** | Minneapolis, United States Scheduled April 2024  
 Will give an oral presentation on “A holistic approach to narrative strategies: How advocacy groups tell their stories about oil and gas on Twitter.”
- MPSA 2024 Conference** | Chicago, United States Scheduled April 2024  
 Will give an oral presentation on “A holistic approach to narrative strategies: How advocacy groups tell their stories about oil and gas on Twitter.”
- APSA 2024 Virtual Research Meeting** | Online Scheduled Feb. 2024  
 Will give an oral presentation on “A holistic approach to narrative strategies: How advocacy groups tell their stories about oil and gas on Twitter.”
- APPAM 2023 Fall Conference** | Atlanta, United States Nov. 2023  
 Gave an oral presentation on “Public discourse on SDG7: Hashtag co-occurrence networks and social justice messaging on Twitter.”  
 Gave a poster presentation on “Advocacy Group Messaging on Oil and Gas: Unveiling Policy Narratives through Text Mining and Network Analysis.”
- 119th American Political Science Association Annual Meeting** | Los Angeles, United States Aug. 2023  
 Gave an oral presentation on “Fossil Fuel Industry Messaging on Renewables and Natural Gas.”
- Politics and Computational Social Science (PaCSS) 2023** | Los Angeles, United States Aug. 2023  
 Gave an oral presentation on “Advocacy Group Messaging on Oil and Gas: Unveiling Narrative Strategies through Text Mining and Network Analysis.”
- 83rd Annual Meeting of the Academy of Management** | Boston, United States Aug. 2023  
 Gave an oral presentation entitled “Public discourse on SDG7: Hashtag co-occurrence networks and social justice messaging on Twitter.”
- ICPP6** | Toronto, Canada June 27-29, 2023  
 Gave an oral presentation entitled “A holistic approach to narrative strategies: How advocacy groups tell their stories about oil and gas on Twitter.”  
 Gave an oral presentation entitled “Public discourse on SDG7: Hashtag co-occurrence networks and social justice messaging on Twitter.”
- APPAM 2022 Fall Conference** | Washington D.C., United States Nov. 17-19, 2022  
 Gave an oral presentation entitled “Oil and Gas Industry Messaging: Analyzing Climate Communication Tactics on Twitter.”  
 Gave a poster presentation entitled “Co-Authorship in Energy Justice Studies: Assessing Research Collaboration through Social Network Analysis and Topic Modeling.”
- A Pale Blue Dot under Pressure Symposia at Harvard Radcliffe Institute** | Boston, United States Oct. 21, 2022  
 Gave a poster presentation entitled “Oil and gas industry messaging: analyzing climate communication tactics.”
- Energy and Climate Transformations: 3rd International Conference on Energy Research & Social Science**

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|---|-------------------|
| <b>Conference   Manchester, UK</b>  | June 20-23, 2022  |
| Gave an oral presentation entitled “Sustainable strategies of multinational oil and gas companies.”   |                   |
| Gave a poster presentation entitled “Oil and gas industry messaging: analyzing climate communication tactics.”  |                   |
| <b>Urban affairs association 50th annual conference   Washington D.C., United States</b>  | April 12-14, 2022 |
| Co-presented a paper entitled “Energy Justice Through Solar: Constructing and Engaging Low-Income Households.” with Dr. Jennie C. Stephens                                    |                   |
| <b>SIET hosted by Delft University of Technology   Online</b>   | Nov. 2021         |
| Gave a presentation entitled “Energy Justice Through Solar: Constructing and Engaging Low-Income Households.”   |                   |
| <b>The 5th European Conference on Social Networks (EUSN) 2021   Online</b>  | Sept. 2021        |
| Gave a presentation entitled “Reviewing Energy Justice Literature: A Co-authorship Network Analysis.”   |                   |
| <b>SPRU PhD Forum Hosted by the University of Sussex   Online</b>   | June 2021         |
| Gave a presentation entitled “Energy Justice Through Solar: Constructing and Engaging Low-Income Households.”   |                   |
| <b>National Council for Science and the Environment (NCSE) Drawdown 2021 Conference   Online</b>  | Jan. 2021         |
| Gave a poster presentation entitled “Energy Justice through Solar: The Social Construction of Low-income Households.”   |                   |
| <b>APPAM 42nd Annual Fall Research Conference   Online</b>  | Nov. 2020         |
| Gave a presentation entitled “Setting the Environmental Policy Agenda: The Case of Alipay Ant Forest Initiative in China.”  |                   |
| <b>The 4<sup>th</sup> SCORAI International Conference at Northeastern University   Online</b>   | June 2020         |
| Gave a presentation entitled “Towards Sustainable Consumption: Exploring a Company-led Initiative in China.”  |                   |
| <b>2019 Seoul GSPA Conference at Seoul National University   Seoul, South Korea</b>   | July 2019         |
| Gave a presentation entitled “Policy Implementation Process of Targeted Poverty Alleviation in Village L: From the Perspective of ‘State in Society’ Theory.”                 |                   |
| <b>The 32nd ACPS Annual Meeting at Zhejiang University   Hangzhou, China</b>  | June 2019         |
| Gave a presentation entitled “Research on the Policy Implementation Process of Targeted Poverty Alleviation in Village L: From the Perspective of ‘State in Society’ Theory.” |                   |
| <b>The 8th International Postgraduate Students Conference at PolyU   Hong Kong, China</b>   | Aug. 2018         |
| Gave a presentation entitled “Research on the Targeted Poverty Alleviation on the Model of Wuzhou in Guangxi Zhuang Autonomous Region: A Perspective from ‘Elite Theory’.”    |                   |
| <b>The 8th “Action and Knowledge” Forum at Nanjing Agricultural University   Nanjing, China</b>   | May 2017          |
| Gave presentation entitled “Challenges and Countermeasures of Governments Purchasing Public Services for the Elderly: Evidence from Nanjing.”                                 |                   |

## ***Invited Talks***

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| <b>SPPUA in Action Seminar Series, Northeastern University</b>                              | April 2021 |
| Gave a talk entitled “A User’s Guide to Environmental Justice: Theory, Policy, & Practice.” |            |
| <b>SPPUA in Action Seminar Series, Northeastern University</b>                              | Sept. 2020 |
| Gave a talk entitled “Solar Deployment and Poverty Alleviation.”                            |            |

## Teaching Experience

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| Teaching Assistant, INSH 6500, Statistical Analysis, Northeastern University   | Spring 2023, Fall 2023 |
| Teaching Assistant, LPSC 7311, Strategizing Public Policy, Northeastern University   | Fall 2023              |
| NULab/DITI (Digital Integration Teaching Initiative) Research Fellow, Northeastern University                                      | Summer 2023            |
| Teaching Assistant, PPUA 5263 GIS for Urban and Regional Policy, Northeastern University   | Fall 2021              |
| Teaching Assistant, PPUA 5264 Energy Democracy & Climate Resilience: Technology, Policy and Social Change, Northeastern University | Fall 2020              |

## Research Skills

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Programming Skills: Python; Jupyter Notebook; R; STATA; NVivo  
Software: ArcGIS Pro, QGIS, Gephi, Microsoft Office (Certificate for Chinese Computer Examination: Microsoft Office Access)

## Professional Services

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Reviewer for *Public Administration Review*, *Expert Systems with Applications*, *Energy Research & Social Science*, *Journal of Chinese Political Science*, *Journal of Cleaner Production*, *Urban Governance*, *Journal of Asian Public Policy*, *Chinese Public Administration Review*  
Communication Team Member for *the Chinese Policy Scholars Group (CPSG)*  
Social Media Editor for *the Public Policy Section of the American Political Science Association (APSA)*

## Professional Memberships

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|---|----------------|
| Association for Public Policy Analysis & Management (APPAM) | 2019 - Present |
| Academy of Management (AOM)                                 | 2023 - Present |
| American Political Science Association (APSA)               | 2023 - Present |
| International Public Policy Association (IPPA)              | 2023 - Present |
| Association of Chinese Political Studies (ACPS)             | 2019 - 2020    |

## References

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### Jennie C. Stephens

Professor, School of Public Policy and Urban Affairs  
Northeastern University  
[j.stephens@northeastern.edu](mailto:j.stephens@northeastern.edu)

### Daniel Aldrich

Professor, Political Science and Public Policy  
Northeastern University  
[daniel.aldrich@gmail.com](mailto:daniel.aldrich@gmail.com)

### Cassie McMillan

Assistant Professor of Sociology  
Northeastern University  
[c.mcmillan@northeastern.edu](mailto:c.mcmillan@northeastern.edu)

### Hongtao Yi

Professor, Askew School of Public Policy  
Florida State University  
[h.yi@fsu.edu](mailto:h.yi@fsu.edu)