

# Min-kyeong (Min) Cha

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## EDUCATION

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<b>Georgia Institute of Technology</b> <i>Ph.D. Public Policy, Major: Energy and Environmental Policy</i>	<i>Atlanta, GA, U.S.A.</i> 2020 - 2025 (expected)
<b>Georgia Institute of Technology</b> <i>M.S. Statistics</i>	<i>Atlanta, GA, U.S.A.</i> 2022 - 2024
<b>Seoul National University</b> <i>M.S.E. Technology Management, Economics, and Policy (TEMPEP)</i>	<i>Seoul, Korea</i> 2017 - 2019
<b>Pohang University of Science and Technology (POSTECH)</b> <i>B.S. Chemical Engineering (Summa Cum Laude)</i>	<i>Pohang, Korea</i> 2012 - 2017
<b>University of Waterloo</b> <i>Exchange student program (Chemical Engineering major)</i>	<i>Waterloo, ON, Canada</i> Fall 2014

## RESEARCH INTERESTS

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*Behavioral response to different power sources, Consumption response to unexpected market volatility, Adoption and diffusion of renewable energy policy*

## PUBLICATIONS

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- [7] Struthers, C., **Cha, M.K.**, & Brown, M. (2025). Knowledge is power? Information, partisan cleavages, and support for energy infrastructure. *Energy Research & Social Science*, 123, 103976.
- [6] **Cha, M.K.**, Struthers, C., Brown, M., Kale, S. & Chapman, O. (2024). Toward residential decarbonization: Analyzing social-psychological drivers of household co-adoption of rooftop solar, electric vehicles, and efficient HVAC systems in Georgia, U.S. *Renewable Energy*, 226, 120382.
- [5] An, B. Y., M. Butz, A., **Cha, M. K.**, & Mitchell, J. L. (2023). Following neighbors or regional leaders? Unpacking the effect of geographic proximity in local climate policy diffusion. *Policy Sciences*, 56(4), 825-868.
- [4] Brown, M. A., Kale, S., **Cha, M. K.**, & Chapman, O. (2023). Exploring the willingness of consumers to electrify their homes. *Applied Energy*, 338, 120791.
- [3] Brown, M. A., Hubbs, J., Gu, V. X., & **Cha, M. K.** (2021). Rooftop solar for all: Closing the gap between the technically possible and the achievable. *Energy Research & Social Science*, 80, 102203.
- [2] Park, H., **Cha, M.K.**, & Lee, H. (2020). Cross-National Comparative Study on the Innovation Efficiency of the Biopharmaceutical Industry. *The Korean Journal of Health Economics and Policy*, 26, no.2, 25-57.
- [1] Dalton, T. & **Cha, M.K.** (Feb 23rd, 2016). South Korea's Nuclear Energy Future. *The Diplomat*.

## WORKS IN PROGRESS

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### Dissertation Chapters

Solar rebound without solar panels? Unraveling consumption behaviors change in community solar programs (Under Review in *Energy Economics*. Lead Author, with Matisoff, D.)

When prices soar: Natural gas demand and fuel switching under extreme market conditions (with Brewer, D. and Wichman, C.)

Wired for solar without installation: Understanding utility adoption of community solar projects (Lead Author, with Matisoff, D.)

### Other Projects (submitted or presented)

Induced innovation revisited: Development of U.S. battery storage technology

Optimizing policy design to maximize the adoption of rooftop solar (with Brown, M.)

The quest for strategies of social control: From state policy documents for autonomous vehicles (with Kingsley, G., Hicks, D., Isett, K., Souweidane, N.)

## HONORS & AWARDS

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<b>Energy Policy and Innovation Center (EPICenter) Student Affiliate</b> <i>Georgia Institute of Technology</i>	2025
<b>Brook Byers Institute for Sustainable Systems (BBISS) Graduate Fellow</b> <i>Georgia Institute of Technology</i>	2023 - 2025
<b>William H. Read Award in Public Policy, School of Public Policy</b> <i>Georgia Institute of Technology</i>	2024
<b>Berkeley/Sloan Summer School in Environmental and Energy Economics Travel Fellowship</b> <i>UC Berkeley</i>	2023
<b>2nd Place Poster Presentation Award</b> <i>Atlanta Conference on Science and Innovation Policy</i>	2023
<b>Wallace O. Keene ASPA Conference Scholarship</b> <i>American Society for Public Administration (ASPA)</i>	2023
<b>Fulbright Scholarship</b> <i>Fulbright Program</i>	2020 - 2022
<b>The National Presidential Science Scholarship</b> <i>Korea Student Aid Foundation</i>	2012 - 2016

## CONFERENCES & SUMMER SCHOOL

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### Conference Presentations

<b>1. Solar rebound without solar panels? Unraveling consumption behaviors change in community solar programs</b>	
Association for Public Policy Analysis and Management (APPAM) Annual Conference	Nov. 2024
Camp Resources	Aug. 2024
Georgia Tech EPICenter Energy Research Talks	Apr. 2024
<b>2. When prices soar: Natural gas demand and fuel switching under extreme market conditions</b>	
Association of Environmental and Resource Economists (AERE) Summer Conference	May 2025
Southeastern Workshop on Energy & Environmental Economics & Policy (SWEEEP)	Nov. 2024

**3. Optimizing policy design to maximize the adoption of rooftop solar**

Public Management Research Conference (PMRC)	Jun. 2024
Association for Public Policy Analysis and Management (APPAM) Annual Conference	Nov. 2023
2023 Korea-U.S. Policy Dialogue: Towards Carbon Neutrality	Oct. 2023

**4. Induced innovation revisited: Development of U.S. battery storage technology**

Association of Environmental and Resource Economists (AERE) Summer Conference	May 2023
Atlanta Conference on Science and Innovation Policy	May 2023

**5. The quest for strategies of social control: From state policy documents for autonomous vehicles**

Atlanta Conference on Science and Innovation Policy	May 2023
American Society for Public Administration (ASPA) Annual Conference	Mar. 2023

**Summer School**

Berkeley/Sloan Summer School in Environmental and Energy Economics	Aug. 2023
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**TEACHING EXPERIENCE**

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*Teaching interest: Data Analysis in Social Science, Introduction to Energy Market & Policy*

Teaching Assistant, PUBP/ISYE 6701 Energy Technology and Policy (Spring 2023), Georgia Tech

Teaching Assistant, Patent and Technology Entrepreneurship (Fall 2018), Seoul National University

Teaching Assistant, Management for Engineers (Spring 2018), Seoul National University

**OTHER RESEARCH & PROFESSIONAL EXPERIENCE**

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<b>Climate and Energy Policy Laboratory (CEPL)</b>	<i>May 2021 – Aug. 2023</i>
<i>Graduate Research Assistant</i>	Atlanta, GA, U.S.A

<b>Biotech Policy Research Center</b>	<i>Jun. 2019 – Jul. 2020</i>
<i>External Reporter for BioInglobal (website)</i>	Daejeon, Korea

<b>Organisation for Economic Cooperation and Development (OECD)</b>	<i>Jan. 2019 – Jul. 2019</i>
<i>Intern &amp; Consultant</i>	Paris, France

<b>Seoul National University</b>	<i>Aug. 2017 – Dec. 2018</i>
<i>Graduate Research Assistant</i>	Seoul, Korea

<b>SMART Laboratory, POSTECH</b>	<i>Mar. 2016 – Dec. 2016</i>
<i>Undergraduate Researcher</i>	Pohang, Korea

<b>Carnegie Endowment for International Peace (CEIP)</b>	<i>Aug. 2015 – Dec. 2015</i>
<i>Intern at Nuclear Policy Program and Asia Program</i>	Washington D.C., U.S.A

<b>Presidential Advisory Council on Science &amp; Technology</b>	<i>Jul. 2011</i>
<i>Representative of high school students in Korea</i>	Seoul, Korea

**SKILLS & ABILITIES**

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**Languages:** English (fluent), Korean (native), French (DELF B1), Japanese (intermediate)

**Computer Skills:** R, Stata, Python, GAMS

**LEADERSHIP**

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Public Policy Graduate Student Association PhD representative (Spring 2022), Georgia Tech

Department of Chemical Engineering Student Association Head of Planning (Spring 2014), POSTECH