

Min-kyeong (Min) Cha

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EDUCATION

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

RESEARCH INTERESTS

Renewable Energy Policy, Clean Energy Transition, Adoption of Renewable Energy, Unexpected Market Volatility, Energy Consumption Behavior

PUBLICATIONS

- [7] Struthers, C., **Cha, M.K.**, & Brown, M. (2025). Knowledge is power? Information, partisan cleavages, and support for energy infrastructure. *Energy Research & Social Science*, forthcoming
- [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

Dissertation Chapters

Solar rebound without solar panels? Unraveling consumption behaviors change in community solar programs. Under review in *Journal of Policy Analysis and Management (JPAM)* (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

Knowledge is power? Information, partisan cleavages, and support for energy infrastructure. Revised & Resubmitted to *Energy Research & Social Science* (with Struthers, C. and Brown, M.)

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

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

CONFERENCES & SUMMER SCHOOL

Conference Presentations

1. Solar rebound without solar panels? Unraveling consumption behaviors change in community solar programs	
Association for Public Policy Analysis and Management (APPAM) Annual Conference	Nov. 2024
Camp Resources	Aug. 2024
Georgia Tech EPICenter Energy Research Talks	Apr. 2024
2. When prices soar: Natural gas demand and fuel switching under extreme market conditions	
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

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

Climate and Energy Policy Laboratory (CEPL) <i>Graduate Research Assistant</i>	<i>May 2021 – Aug. 2023</i> Atlanta, GA, U.S.A
Biotech Policy Research Center <i>External Reporter for BioInglobal (website)</i>	<i>Jun. 2019 – Jul. 2020</i> Daejeon, Korea
Organisation for Economic Cooperation and Development (OECD) <i>Intern & Consultant</i>	<i>Jan. 2019 – Jul. 2019</i> Paris, France
Seoul National University <i>Graduate Research Assistant</i>	<i>Aug. 2017 – Dec. 2018</i> Seoul, Korea
SMART Laboratory, POSTECH <i>Undergraduate Researcher</i>	<i>Mar. 2016 – Dec. 2016</i> Pohang, Korea
Carnegie Endowment for International Peace (CEIP) <i>Intern at Nuclear Policy Program and Asia Program</i>	<i>Aug. 2015 – Dec. 2015</i> Washington D.C., U.S.A
Presidential Advisory Council on Science & Technology <i>Representative of high school students in Korea</i>	<i>Jul. 2011</i> Seoul, Korea

SKILLS & ABILITIES

Languages: English (fluent), Korean (native), French (DELF B1), Japanese (intermediate)
Computer Skills: R, Stata, Python, GAMS

LEADERSHIP

Public Policy Graduate Student Association PhD representative (Spring 2022), Georgia Tech
 Department of Chemical Engineering Student Association Head of Planning (Spring 2014), POSTECH