

JOOHEE LEE

Department of Climate and Energy, Sejong University
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APPOINTMENTS

March 2023– Assistant Professor, Department of Climate and Energy, Graduate School, Sejong University, South Korea.

EDUCATION

Ph.D., Energy & Environmental Policy, University of Delaware, USA. 2022.
Dissertation: *Measuring the Unmeasured: Development of a Conceptual and Analytical Framework for Assessing Systemic Energy Injustice* (Advisor: Dr. John Byrne).

M.E., Urban Planning & Engineering, Yonsei University, South Korea. 2010.
Thesis: *Economic Valuation of Green Roof Systems Using the Contingent Valuation Method* (Advisor: Dr. Up Lim).

B.S., Environmental Science & Engineering, Ewha Womans University, South Korea. 2008.
Senior Thesis: *Application of Environmental Management Standards to Universities* (Advisor: Dr. Dong-Su Kim).

RESEARCH INTERESTS

Research Areas/Topics

Energy and environmental policy, energy justice, climate justice, systems thinking, sustainability discourse, just and sustainable transitions, bottom-up transitions, energy communities, civic engagement and empowerment, pro-environmental behavior, sufficiency, capability approach.

Primary Research Methods

Policy analysis and assessment, discourse analysis, econometric analysis, geographic information system analysis, indicator analysis, qualitative methods, mixed methods.

ORCID: <https://orcid.org/0000-0002-5883-8362>

PUBLICATIONS

Joohee Lee, John Byrne, and Jeongseok Seo. (2023). Chapter 7: Re-imagining energy-society relations: An interactive framework for social movement-based energy-society transformation. In Majia Nadesan, Martin Pasqualetti, and Jennifer Keahey, eds., *Energy Democracies for Sustainable Futures*. Elsevier. Pp. 59-71. DOI: <https://doi.org/10.1016/B978-0-12-822796-1.00007-3>.

Xaquín Pérez-Sindin, **Joohee Lee**, and Thomas Nielsen. (2022). Exploring the spatial characteristics of energy injustice: A comparison of the power generation landscapes in Spain, Denmark, and South Korea. *Energy Research & Social Science* 91: Article 102682. DOI: <https://doi.org/10.1016/j.erss.2022.102682>.

Joohee Lee, Hana Kim, and John Byrne. (2021). Operationalising capability thinking in the assessment of energy poverty relief policies: Moving from compensation-based to empowerment-focused policy strategies. *Journal of Human Development and Capabilities* 22(2): 292-315. DOI: <https://doi.org/10.1080/19452829.2021.1887108>.

Joohee Lee and John Byrne. (2019). Expanding the conceptual and analytical basis of energy justice: Beyond the three-tenet framework. *Frontiers in Energy Research* (section *Sustainable Energy Systems and Policy*) 7: Article 99. DOI: <https://doi.org/10.3389/fenrg.2019.00099>.

John Byrne, Job Taminiau, Jeongseok Seo, **Joohee Lee**, and Soojin Shin. (2017). Are solar cities feasible? A review of current research. *International Journal of Urban Sciences* 21(3): 239–256. DOI: <https://doi.org/10.1080/12265934.2017.1331750>.

John Byrne, Job Taminiau, Kyung Nam Kim, **Joohee Lee**, and Jeongseok Seo. (2017). Multivariate analysis of solar city economics: Impact of energy prices, policy, finance and cost on urban PV power plant implementation. *Wiley Interdisciplinary Reviews: Energy and Environment* 6(4): 1–16. DOI: <https://doi.org/10.1002/wene.241>.

John Byrne, Job Taminiau, Kyung Nam Kim, Jeongseok Seo, and **Joohee Lee**. (2016). A solar city strategy applied to six municipalities: Integrating market, finance, and policy factors for infrastructure-scale photovoltaic development in Amsterdam, London, Munich, New York, Seoul, and Tokyo. *Wiley Interdisciplinary Reviews: Energy and Environment* 5(1): 68–88. DOI: <https://doi.org/10.1002/wene.182>.

Joohee Lee, Up Lim, Minsu Son, and Hongsok Kim. (2010). Economic valuation of green roof systems using the contingent valuation method. *Journal of the Korea Planners Association* 45(6): 137–148.

RESEARCH EXPERIENCE

Research Fellow (2014–Present).

Foundation for Renewable Energy & Environment (FREE), New York, NY, USA.

<https://freefutures.org/>.

Research Fellow (2022–Present).

Korea Institute of Climate Change & Environment, Seoul, South Korea.

<https://kicce.or.kr/>.

Research Assistant (Fall 2013–Spring 2019).

Center for Energy & Environmental Policy, University of Delaware, Newark, DE, USA.

Research Assistant (Spring 2008–Fall 2009).

Department of Urban Planning & Engineering, Yonsei University, Seoul, South Korea.

Research Assistant (Fall 2009).

Division of Water & Environment, Korea Environment Institute, Seoul, South Korea.

TEACHING EXPERIENCE

Instructor (2022–present). Department of Climate & Energy, Graduate School, Sejong University, Seoul, South Korea.

- Energy & Environmental Policy Research.
- Academic Writing Seminar II.
- Climate Change & Just Transitions.
- Qualitative Research on Climate Change.

Teaching Assistant (2016–2021). Center for Energy & Environmental Policy, University of Delaware, Newark, DE, USA.

- Climate Change: Science, Policy and Political Economy (Instructor: Dr. John Byrne).
- Technology, Environment and Society Seminar (Instructor: Dr. John Byrne).
- Processes of Social Inquiry (Instructors: Drs. John Byrne and Daniel Rich).

Teaching Assistant (2008). Department of Urban Planning & Engineering, Yonsei University, Seoul, South Korea.

- Spring 2008: Urban Environmental Planning (Instructor: Dr. Hong Sok Kim).

HONORS & AWARDS

Professional Development Award (2018). University of Delaware Travel Grant.

Leadership Prize (2016). Center for Energy & Environmental Policy, University of Delaware.

Leadership Prize (2015). Center for Energy & Environmental Policy, University of Delaware.

Leadership Prize (2014). Center for Energy & Environmental Policy, University of Delaware.

Best Presentation (2013). The 54th Clute Institute International Academic Conference, September 23-25, 2013, Las Vegas, NV, USA.

Professional Development Award (2013). University of Delaware Travel Grant.

GRANTS & FELLOWSHIPS

Research Grant for New Faculty (April 2023–January 2024). Sejong University.

Summer Doctoral Fellowship (2018). University of Delaware.

University Dissertation Fellowship (Fall 2015–Spring 2016). University of Delaware.

Japanese Government MEXT Scholarship (April 2010–February 2011). Ministry of Education, Culture, Sports, Science and Technology, Government of Japan.

LANGUAGES

Korean (native), English (fluent), Japanese (fluent).

Last updated November 1, 2023