

Yeonkyeong Gina PARK

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EDUCATION

Cornell University

Ph.D. in Regional Science

Expected in 2024

Dissertation Title: “*Toward a Just Transition: The Implications of Urban Freight and Ports in the Environment, Energy, and Health*”

M.S. in Regional Science

2022

Seoul National University, South Korea

2019

M.A. in International Commerce

University of Applied Sciences Osnabrueck, Germany

2015

B.A. in International Management (Dual Degree)

Kyung Hee University, South Korea

2015

B.A. in International Studies

PUBLICATIONS

Yoo, S., Kumagai, J., Morita, T., **Park, Y.G.**, Managi, S. (2023). “Who to Sacrifice? Modeling the Driverless Dilemma.” *Transportation Research Part A: Policy and Practice*. Volume 178, 2023, 103872.

<https://doi.org/10.1016/j.tra.2023.103872>

Park, G.Y., (2022). “Emissions Analysis of the Port Drayage Truck Replacement Program and Local Air Quality: The Case of the Port of New York and New Jersey.” Pages 1407-1416, Volume 10, Issue 2, *Case Studies on Transport Policy*.

<https://doi.org/10.1016/j.cstp.2022.05.004>

Park, Y., Dossani, R. (2020). “Port Infrastructure and Supply Chain Integration under the Belt and Road Initiative: Role of Colombo Port in the Apparel Industry in South Asia.” *Transportation Research Procedia*.

<https://doi.org/10.1016/j.trpro.2020.08.025>

Park, Y., Song, I., Yi, J., Yi, S. J., & Kim, S. Y. (2020). “Web-Based Visualization of Scientific Research Findings: National-Scale Distribution of Air Pollution in South Korea.” *International Journal of Environmental Research and Public Health*, 17(7), 2230. <https://doi.org/10.3390/ijerph17072230>

WORK IN PROGRESS

Yoo, S., Hong, S., **Park, Y.G.**, Okuyama A., Zhong Z., Yoshida, Y., Managi, S. (R&R). “Danger, Respect, and Indifference: Bike-Sharing Choices in Shanghai and Tokyo using Latent Choice Models.” *World Development Sustainability*.

Geddes, R.R., **Park, Y.G.** (R&R). “New York’s Scaffold Law and Worker Safety.” *International Review of Law & Economics*.

Geddes, R.R., **Park, Y.G.** (R&R). “Reconstructing Ukraine’s Transportation Infrastructure: Innovations in Funding, Financing and Technological Adoption.” *Journal of Public Finance and Management*.

Minner, J., Wang, Y., Bower, C., Bravo, N., Han, S., Leddy, L., Mahid, Y., Moya-Latorre, A., Lopez Ortiz, C., **Park, Y.G.**, Ru, Y., Urbina, A., Wang, Z., (To be Submitted). “Student Galaxies In The Planning Theory Pluriverse: Emerging Scholars’ Positionalities, Knowledges, and Trajectories.” *Journal of Planning Theory and Practice*.

Park, Y.G., Geddes, R.R. (To be Submitted). “Sustainable Competitiveness of U.S. Container Ports.” *Journal of Maritime Policy & Management*.

Park, Y.G. (To be Submitted). “Just Cleaner Air?: Measuring Effectiveness of Cleaner Trucks on Addressing Environmental Justice Using Diff-in-Diff Method.” *Transportation Research Part D: Transport and Environment*.

Park, Y.G. (To be Submitted). “Pathways to a Just Transition: Bridging Regional Disparities of Clean Energy in the United States through Hydrogen.” *Renewable and Sustainable Energy Reviews*.

PROFESSIONAL EXPERIENCE

Cornell Program in Infrastructure Policy | Ithaca, NY

Research Associate

05/2023 – Present

Fellow

02/2022 – 04/2023

- Co-authored manuscripts for a series of peer-reviewed journals
- Drafted grant proposals:
 - NSF “Strengthening American Infrastructure (SAI): *“Reimagining Sea-level Rise Infrastructure for the Most Vulnerable Populations,”* and grants from Siegel Foundation, Proctor & Gamble (pending), and Intercampus Research Collaboratory Symposium (awarded).
- Led discussions for data analysis in the Infrastructure Practicum with IPMF fellows: Writing policy recommendation reports to increase the public value of the Tren Urbano Project, Puerto Rico.
- Featured in the CPIP “Thought Leaders in Infrastructure” video series ([Link to Video](#)).
- Facilitated discussions in Workshop “Funding, Financing & Emerging Technologies in Infrastructure,” cohosted by Cambridge Centre for Smart Infrastructure and Construction (CSIC) and co-funded by Engineering and Physical Sciences Research Council (EPSRC) & National Science Foundation (NSF), New York City, July 2022

National Cancer Center | Ilsan, South Korea

Junior Researcher

02/2019 – 07/2019

- Co-authored a journal paper “**Park, Y.**, Song, I.S., Yi, J.E., Yi, S.J., Kim, S.Y. (2019) Web-based visualization of scientific research findings: national-scale distribution of air pollution in South Korea”
- As part of the Basic Science Research Program funded by the National Research Foundation for the research team “Particulate Matter Exposure and Health Effect” (PI. Dr. Sun-Young Kim)

Kangwon National University Hospital | Chuncheon, South Korea

Research Assistant

08/2017 – 12/2018

- Designed a web-based user-interactive visualization for the national-scale distribution of predicted and estimated air pollutants in South Korea, 2001-2017 using Tableau
- Participated and gave presentations in the weekly seminar (e.g., spatial modeling, geocoding, disease analysis, visualization, policy discussion) on air pollution and health effects
- As part of the Basic Science Research Program funded by the National Research Foundation for the research team “Particulate Matter Exposure and Health Effect” (PI. Dr. Sun-Young Kim)

RAND Corporation | Santa Monica, CA

Visiting Intern, Center for Asia-Pacific Policy (CAPP)

09/2016 – 03/2017

Conducted hands-on research projects across the different offices at RAND. Funded by the Korea Foundation, Ministry of Foreign Affairs of South Korea under the ‘Global Challenger Think Tank Internship Program’.

- Independent study “*Port Infrastructure and Supply Chain Integration: Case Study on the Apparel Industry in South Asia,*” CAPP, RAND:
 - Conducted 25 interviews with industry and government sectors, collected and cleaned data, and published a peer-reviewed article as the first author of “*Port Infrastructure and Supply Chain Integration under the Belt and Road Initiative: Role of Colombo Port in the Apparel Industry in South Asia*”
- Project on “*Infrastructure Evidence Gap Mapping*” Europe, RAND:
 - Triaged 128 grey literature on “*Ports, Airports, and Telecommunication in Developing Countries using the Theory of Change*”
- Project on “*Smart City Building in Hangzhou,*” Justice Infrastructure Environment Department, RAND:
 - Conducted interview analysis for the Japanese and German automobile industry including interview transcription in German
- Completed a Ph.D. level coursework: Advanced Econometrics, Pardee RAND Graduate School of Public Policy

TEACHING EXPERIENCE

Department of City and Regional Planning, Cornell University

Visiting Lecturer

January 2024 – Present

- *Introduction to Geographic Information Systems (Graduate)*
 - Design the course, deliver the lecture, handle the lab sessions, conduct office hours, and assess overall student performance in daily assignments, a mid-term quiz, and a final research project.

Department of City and Regional Planning, Cornell University

Teaching Assistant

08/2020 – 05/2023

- *Introduction to Geographic Information Systems (Undergraduate, Graduate)*
 - Assisted the lab sessions, conducted office hours, assessed overall student performance in weekly assignments, and consulted research design for the final research project.
- *Introduction to Quantitative Analysis for Public Analysis (Undergraduate)*
 - Conducted hands-on lab sessions for survey design, census data, and R programming exercises
- *Inferential Statistics for Planning and Public Policy (Graduate)*
 - Held office hours, Graded assignments and exams

Brooks Public Policy School, Cornell University

Teaching Assistant

08/2022 – 12/2022

Regulation and Infrastructure Policy (Undergraduate/Graduate)

- Assessed students' performance and designed the questions for 3 weekly assignments and 3 exams (Prelim 1, 2, Final), Held office hours and exam review sessions, Facilitated in-class discussions, Organized a student field trip to the Lake Cooling Source, Moderated guest lectures on infrastructure related to sustainable renewable energy by coordinating with Cornell Program in Infrastructure Policy (CPIP)

Graduate School of International Studies, Seoul National University

Teaching Assistant

Multilateral Trading System & Trade Integrations (Graduate)

Summer 2017

- Guided the group discussions and coordinated the class presentations

Workshop in China & World Economy (Graduate)

Spring 2016

- Guided the group discussions and coordinated weekly courses for Global Leadership Program

SELECTED CONFERENCE PRESENTATIONS & AWARDS

Korean-American Scientists and Engineers Association 36th US-Korea Conference on Science, Technology and Entrepreneurship | Dallas, TX 08/2023

Pathways to a Just Transition: Bridging Regional Inequality of Clean Energy Development Through Hydrogen (P)

– *Young Scholar Award*

Association of American Geographers Annual Meeting | Denver, CO 03/2023

Measuring Effectiveness of Clean Trucks on Addressing Environmental Justice

Western Regional Science Association International Conference | Big Island, HI 02/2023

Just Clean Air by Replacing Port Trucks - Measuring Changes of Environmental Justice in New York and New Jersey

102nd Transportation Research Board Annual Meeting | Washington D.C. 11/ 2022

Sustainable Competitiveness of U.S. Container Ports (Lightning Talk)

Association for Public Policy Analysis & Management | Washington D.C. 11/ 2022

Just Clean Air by Replacing Port Trucks: Measuring Changes of Environmental Justice at the Port of New York and New Jersey

Association of Collegiate Schools of Planning (ACSP) Annual Conference | Toronto, Canada 11/ 2022

- *Environmental Justice in Energy Transition: Quantifying Racial Disparities in Air Quality using a Case Study of Clean Truck Program in New York and New Jersey*
- *Evaluating the Effectiveness of Existing Infrastructure for Vulnerable Populations for Sea Level Rise in Florida (P)*
- *Shiny Objects, Galaxies, and Bodies of Planning Theory: Diagrams of Positionality and the Field by Emerging Scholars (P) – Best Poster Award*

North American Regional Science Conference (NARSC) International Conference | Denver, CO 11/ 2021

Environment and Health Benefit of Cleaner Port Trucks in New Jersey

World Conference on Transport Research Society (WCTRS), Special Agenda A2 | Belgium (online) 05/ 2021
Port Truck Impact on the Local Air Quality: Evidence from New York and New Jersey

World Conference on Transport Research Society (WCTRS) 15th Triennial Meeting | Mumbai, India 05/ 2019
Port Infrastructure and Supply Chain Integration under the Belt and Road Initiative: Role of Colombo Port in the Apparel Industry in South Asia

The Korean Society of Environmental Health and Toxicology (KOSEHT)

- *Web publication of national distribution of nitrogen dioxide in South Korea using Tableau (P) – Excellent Poster Award, Excellent Poster of the Year* | Seoul, South Korea 2018
- *Designing a web publication of the national distribution of particulate matter (PM₁₀) by pollutants using Tableau (P)* | Busan 2017

FELLOWSHIP & AWARDS

Women’s Transportation Seminar (WTS) Greater New York National Leadership Legacy Award	2023
Young Professionals in Infrastructure (YPI) Building the Future Grant Award	2023
Cornell University Portman Family Graduate Research Award	2022
Cornell University Alan Black Transportation Research Award	2021
Cornell University Place-in-Fund Scholarship Award	2020
Cornell University Sage Fellowship	2019
Seoul National University Fieldwork Research Grant for Dissertation	2018
Korea Foundation Global Challengers Think Tank Fellowship	2016

SERVICE

The National Academies of Sciences, Engineering, Medicine 2022– 2025

Young Member | Standing Committee on Marine Environment (AW030), Transportation Research Board

- Reviewing papers and co-authoring research proposals

Cornell Association for PhD Planners, Cornell University

Co-President

2020 – 2021

- Coordinated professional research seminars and participated in faculty meetings as a PhD student representative

MEMBERSHIP OF ACADEMIC/PROFESSIONAL ORGANIZATIONS

American Planning Association (APA), Women Transportation Seminar, Young Professionals in Infrastructure, Korean Transportation Association in America (KOTAA), Korean-American Scientists and Engineers Association (KSEA), Korea-America Association for Geospatial and Environmental Sciences (KAGES)

LANGUAGE AND TECHNICAL SKILLS

- Language: Korean (Fluent), English (Fluent), German (Intermediate: Read, Speak, Write – 08.13.2015 ZERTIFIKAT B2), Japanese (Intermediate: Speak – 05.14.2018 JPT 550)
- Data Analytics: ArcGIS, QGIS, Stata, Tableau, R, GeoDa, SPSS