

HYESEON SHIN

PERSONAL INFO

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ACADEMIC POSITION

Sogang University Assistant Professor, Department of Economics	<i>Republic of Korea</i> 2025 Fall -
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EDUCATION

The Ohio State University Ph.D. in Agricultural, Environmental, and Development Economics	<i>Ohio, USA</i> 2019 - 2025
Seoul National University M.A. in Economics, Agricultural and Resource Economics Major	<i>Republic of Korea</i> 2017 - 2019
University of Groningen Exchange Student, Economics and Business Economics	<i>The Netherlands</i> 2015 Fall
Seoul National University B.A. in Economics, Agricultural and Resource Economics Major	<i>Republic of Korea</i> 2013 - 2017

RESEARCH INTERESTS

International Trade, Agricultural Economics, Environmental Economics, Climate Change

WORKING PAPERS

"Agriculture, Trade, Migration and Climate Change" (*Job market paper*)

Abstract: Climate change can affect agricultural production through land productivity and multicropping capacities, with effects largely heterogeneous across countries and crops. Given the agricultural sector's substantial contribution to both income and employment in many developing economies, evolving agro-climatic conditions have the potential to reshape labor reallocation as well as agricultural production. I build and quantify a dynamic spatial general equilibrium model incorporating farmers' optimal crop choices, international trade, and forward-looking household migration. Findings indicate that under RCP 8.5, the overall global welfare effect on agricultural workers is modest, yet welfare effects vary substantially across countries. Results also highlight that the general equilibrium effects of labor mobility are nontrivial, and domestic structural transformation, in particular, plays a crucial role in mitigating the adverse effects of climate change.

Presentations: NC State Conference on International Economics, Camp Resources XXX, AAEA Annual Meeting, AAEA-KREI Workshop, JIE Summer School, MEA Annual Meeting, MSU AFRE Brown Bag Seminar, IATRC Annual Meeting, Columbia University IPWSD

"Dynamics of Global Emission Permit Prices and Regional Social Cost of Carbon under Noncooperation" (with Y. Cai, and K. Malik)

Abstract: We develop a dynamic multi-region climate–economy model with emissions trading and solve for the dynamic Nash equilibrium under noncooperation, where each region follows Paris Agreement-based emissions caps. The permit price reaches \$923 per ton of carbon by 2050, and global temperature rises to 1.7°C above pre-industrial levels by 2100. The regional social cost of carbon equals the difference between regional marginal abatement cost and the permit price, highlighting complementarity between carbon taxes and trading. We find substantial heterogeneity in regional social costs of carbon, show that lax caps can raise emissions, and demonstrate strong free-rider incentives under partial participation.

Presentations: Korea-Japan International Trade Workshop, SNU Environmental Economics Workshop, LSE Environment Camp, Heartland Workshop, OSU Interdisciplinary Research Fall Forum

PUBLICATIONS

"Upgrading Food Product Quality: The Impact of Tariffs and Standards" <i>Journal of Agricultural and Resource Economics</i> (with J. Eum, I. Sheldon, and S. Thompson)	2024
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OTHER ARTICLES

"The Future of (Ag-) Trade and Trade Governance in Times of Economic Sanctions and Declining Multilateralism" , IATRC Trade Policy Brief. (with R. G. da Silva, V. Litvinov, S. Oh, and A. P. T. Nguyen.)	2024
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PRESENTATIONS

Korea International Economic Association Winter Meeting (Discussant, Yonsei University), 2025 World Congress (Seoul), Environmental Economics Workshop at Seoul National University, NC State Conference on International Economics, Korea-Japan International Trade Workshop (Sogang University)	2025
Camp Resources XXX Workshop (NC State University, Asheville), 2024 Agricultural & Applied Economics Association Annual Meeting (AAEA, New Orleans), AAEA-KREI Workshop (Korea Rural Economic Institute, New Orleans), Summer School in International Economics, by the Journal of International Economics (University of Oxford), LSE Environment Camp (London School of Economics), AFRE Brown Bag Seminar (Michigan State University), Annual Meetings of the 88th Midwest Economics Association (MEA, Chicago)	2024
International Agricultural Trade Research Consortium 2023 Annual Meeting (IATRC, Florida), Interdisciplinary Research Fall Forum: Computational Approaches for a Just and Sustainable World (The Ohio State University), The Heartland Environmental and Resource Economics Workshop (University of Illinois Urbana-Champaign), Interdisciplinary PhD Workshop in Sustainable Development (IPWSD, Columbia University), Annual Meetings of the 87th Midwest Economics Association (MEA, Cleveland)	2023
Annual Meetings of the 86th Midwest Economics Association (MEA, Minneapolis)	2022

AWARDS AND GRANTS

Travel Grant, LSE Environment Camp	2024
Travel Grant, IATRC 2023 Annual Meeting	2023
Travel Grant, IPWSD-Columbia University	2023
University Fellowship, The Ohio State University	2019-2020
Lecture and Research Scholarship, Seoul National University	2017
Scholarship, Hans' Scholarship Foundation	2016, 2018
Minister of Agriculture, Food and Rural Affairs Award (Best Paper Award)	2016
OIA Outgoing Exchange Student Scholarship, Seoul National University	2015
Merit-based Scholarship, Seoul National University	2014, 2015, 2017, 2018
Scholarship, Samsung Welfare Foundation	2014
Scholarship, Kwanak Corporation	2014

OTHER SKILLS

Software & Tools	GAMS, STATA, Matlab, ArcGIS, Python, L ^A T _E X
Languages	English (fluent), Korean (native)

PROFESSIONAL REFERENCES

Ian Sheldon Professor sheldon.1@osu.edu The Ohio State University	Yongyang Cai Professor cai.619@osu.edu The Ohio State University
Abdoul Sam Professor sam.7@osu.edu The Ohio State University	Seungki Lee Assistant Professor lee.10168@osu.edu The Ohio State University