

WOONGCHANJEON

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RESEARCH AND TEACHING FIELDS

Primary Environmental and Resource Economics, Macroeconomics, Public Economics
Secondary Climate Change, Household Finances

DOCTORAL STUDIES

University of California, Santa Barbara
Ph.D. Economics

Santa Barbara, CA
Expected completion June 2023

Dissertation Committee

Peter Rupert - Chair

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Christopher Costello

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Lint Barrage

Associate Professor
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ETH Zurich

PRIOR EDUCATION

University of California, Santa Barbara (UCSB)
M.A. Economics

Santa Barbara, CA
2018

Seoul National University (SNU)
M.A. Agricultural and Resource Economics
B.A. Agricultural Economics

Republic of Korea
2017
2015

WORKING PAPERS

Pricing Externalities in the Presence of Adaptation (Job Market Paper)

I study optimal taxation in a general equilibrium model in which households compete against final goods producers for pollutant-emitting intermediate goods. For example, as the climate warms, households use more energy in the form of air conditioning. I show theoretically that an increase in market demand for such goods increases polluting firms' marginal profit. Firms respond by increasing their production, leading to higher pollution levels. To take these theoretical insights to reduced-form evidence, I construct a macroeconomic climate-economy model using heat-related discomfort and cooling loads as an example. In a calibrated economy, I find that the mortality social costs of carbon in 2020 are underestimated by about 7% if such feedback is not considered.

WORKS IN PROGRESS

Heterogeneity in the Spending Response to Stimulus: Evidence from the Pulse Survey (joint with Kieran J. Walsh)
Pricing Climate Risks: Evidence from Wildfires and Municipal Bonds (joint with Lint Barrage and Kieran J. Walsh)
The Distributional Impacts of Wildfires on Household Balance Sheets in the Western United States

GRANT, HONORS, AND AWARDS

California Policy Lab (CPL) Seed Grant (7,500 USD)	2021
UCSB Department of Economics Dissertation Fellowship	Summer 2022
UCSB Department of Economics Research Quarter Fellowship	Winter 2022
California Policy Lab (CPL) Graduate Fellowship	Summer 2021
UC Office of the President Diversity Initiative Research Assistantship	Winter, Spring 2021
UCSB Department of Economics the Costas Fellowship	Winter 2020
UCSB Department of Economics Grebler Fellowship	Summer 2019
UCSB Department of Economics Block Grant Fellowship for Recruitment	Fall 2017
Kwanjeong Educational Foundation Scholarship	Spring 2015 - Fall 2016
SNU CALS Outstanding Undergraduate Thesis Award	2015

RESEARCH ASSISTANTSHIP

Professor Lint Barrage	Summer 2019, Summer 2021
Professor Kieran J. Walsh	Winter, Spring, Summer 2021

TEACHING EXPERIENCE

Instructor

Math Camp for Incoming Economics Ph.D. Students (S2020, S2019)

Teaching Assistant

ECON 204C. Ph.D. Macroeconomic Theory III (Sp2020)
 ECON 101. Intermediate Macroeconomic Theory (Sp2019, Sp2018)
 ECON 140A. Introduction to Econometrics (Sp2022)
 ECON 10A. Intermediate Microeconomic Theory (F2019)
 ECON 1. Principles of Economics-Micro (F2022, F2021, F2020, W2019, F2018, W2018, F2017)

SERVICE

Undergraduate Research Assistant Mentoring

Vivian Nguyen	Winter, Spring 2021
Yuke Gan, Rowan Hegarty, Vivian Nguyen, Zachary Poncelet, John Reid	Winter, Spring 2022

MISCELLANEOUS

Computing: MATLAB, python, STATA, R, SAS, ArcGIS, SQL, LaTeX
 Citizenship: Republic of Korea