

# WOONGCHAN JEON

## Address

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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  
PhD Economics

Santa Barbara, CA  
Expected completion June 2023

Dissertation Committee

### Peter Rupert - Chair

Professor  
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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

## RESEARCH ASSISTANTSHIP

Professor Lint Barrage  
Professor Kieran J. Walsh

Summer 2019, Summer 2021  
Winter, Spring, Summer 2021

## 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 Gretler Fellowship	Summer 2019
UCSB Department of Economics Block Grant Fellowship for Recruitment	Fall 2017
Kwanjeong Educational Foundation Scholarship	Spring 2015 - Fall 2016
SNU CALS Education and Research Foundation Scholarship	2015
SNU CALS Outstanding Undergraduate Thesis Award	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 shifts up the marginal profit of polluting firms. Firms respond by increasing their production leading to higher pollution levels. To take these theoretical insights to the reduced-form evidence on heat-related discomfort and cooling loads, I construct a quantitative macroeconomic climate-economy model. 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 taken into consideration.

## 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 Bond Markets** (joint with Lint Barrage and Kieran J. Walsh)

**The Distributional Impacts of Wildfires on Household Balance Sheets in the Western United States**

## PRE-DOCTORAL PUBLICATION

**Optimal Weed Control Strategies in Rice Production under Dynamic and Static Decision Rules** (joint with Kwansoo Kim) *Sustainability* 9.6 (2017): 956.

## SERVICE

### **Undergraduate Research Assistant Mentoring**

Vivian Nguyen

Yuke Gan, Rowan Hegarty, Vivian Nguyen, Zachary Poncelet, John Reid

Winter, Spring 2021

Winter, Spring 2022

## TEACHING EXPERIENCE

### **Instructor**

Math Camp for Incoming Economics PhD Students (S2020, S2019)

### **Teaching Assistant**

ECON 204C. PhD 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)

## MISCELLANEOUS

Computing: MATLAB, python, STATA, R, SAS, ArcGIS, SQL, LaTeX

Citizenship: Republic of Korea