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PLACEMENT DIRECTORS

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EDUCATION

Ph.D.	Economics, University of Maryland at College Park, expected May 2022
M.A.	Economics, University of Maryland at College Park, 2019
B.A.	Economics, Duke University, <i>Magna Cum Laude</i> , <i>Phi Beta Kappa</i> , 2013

FIELDS OF SPECIALIZATION

Primary: International Trade
Secondary: Environmental Economics, International Macroeconomics

DISSERTATION

Essays on International Trade and Environment
Committee: Prof. Nuno Limão (Chair), Prof. Eunhee Lee, Prof. Maureen Cropper

JOB MARKET PAPER

“Trade in Intermediates and US Manufacturing Emissions”

This paper examines the impact of intermediate trade on air pollution emissions. I build a quantitative model of heterogeneous firms with intermediate trade, emission, and technology adoption, which shows that lower intermediate trade costs reduce emissions both due to cleaner technology adoption and reallocation towards cleaner firms. The empirical analysis tests and finds support for the model prediction on the determinants of aggregate emission intensity using US manufacturing panel data. A quantitative analysis shows that the decrease in intermediate import cost alone can explain about 10% of the observed reduction in the energy-usage-related aggregate emission intensity for nitrogen oxide (NO_x) in the US between 1997 and 2014.

OTHER RESEARCH PAPERS

“Curse of Gravity: Welfare Gains from Trade with Traveling Pollutants,” work in progress, with Eunhee Lee

“Preferential Trade Agreements and Multinational Production,” work in progress

“Fundamental Versus Traditional Indexation for International Mutual Funds: Evaluating DFA, WisdomTree, and RAFI PowerShares,” *Journal of Investing*, Winter 2014, 23(4) 85-98., with Edward Tower

TEACHING EXPERIENCE

Instructor, Principles of Macroeconomics (undergraduate), University of Maryland, Summer 2018, Winter 2018, Summer 2019, and Summer 2021

Teaching Assistant, multiple courses offered in Master's in Applied Economics, University of Maryland, Fall 2017, and Spring 2018

Teaching Assistant, Intermediate Macroeconomics (undergraduate), University of Maryland, Fall 2016 and Spring 2017

RESEARCH AND RELEVANT WORK EXPERIENCE

Research Assistant, Prof. Eunhee Lee, University of Maryland, Fall 2020–Spring 2021

Research Assistant, Prof. Şebnem Kalemli-Özcan, University of Maryland, Fall 2018–Summer 2020

Research Assistant, Prof. Nuno Limão, University of Maryland, Winter 2017–Summer 2018

Research Associate, Korea Development Institute, Korea, August 2015–May 2016

GRANTS AND AWARDS

Roger and Alicia Betancourt Fellowship in Applied Economics, University of Maryland, Spring 2021

Goldhaber Travel Grant, University of Maryland, Fall 2019

CONFERENCE AND SEMINAR PRESENTATIONS

2019: Midwest International Trade Conference, 2015: International Economics Workshop

LANGUAGES

Korean (native), English (fluent)

COMPUTATIONAL SKILLS

Stata, Matlab, EViews

REFERENCES

Prof. Nuno Limão	University of Maryland	limao@umd.edu	(301) 405-7842
Prof. Eunhee Lee	University of Maryland	eunhee11@umd.edu	(301) 405-3534
Prof. Maureen Cropper	University of Maryland	mcropper@umd.edu	(301) 405-3483