Ziran (Josh) Ding

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INFORMATION CEFER, Bank of Lithuania CEFER, Bank of Lithuania E-mail: zding@lb.lt

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Lithuania

EMPLOYMENT Chief Researcher, Kaunas University of Technology, Kaunas, Lithuania 2020 –

Senior Economist, **CEFER, Bank of Lithuania, Vilnius, Lithuania**2020 –
Junior Researcher, **Vilnius University, Vilnius, Lithuania**2021 –2022

EDUCATION Ph.D.in Economics, **University of Washington**, Seattle, WA 2020

• Dissertation Committee: Theo S. Eicher, Fabio P. Ghironi, Mu-Jeung Yang

• 2019-2020 on family sick leave

M.A.in Economics, University of Washington, Seattle, WA
 M.A.in Economics, Boston University, Boston, MA
 B.A.in Economics, Lanzhou University, Lanzhou, China
 2011

PUBLICATIONS Firm Heterogeneity, Variable Markups, and Multinational Production: A Review From Trade Policy Perspective

Journal of Economic Surveys 36(5), 1311-1357 (2022)

This paper surveys the main ingredients and results of heterogeneous firms trade policy literature that has been developing since the early 2000s. First, I present the stylized facts regarding firm heterogeneity, firm-level markups, and multinational production's global structure. I then survey the trade policy papers that build on the workhorse model of firm heterogeneity. Third, I summarize the recent development of theoretical approaches of modeling the firm-level markups and its trade policy implication. Fourth, I discuss the theoretical frameworks that incorporate multinational production into heterogeneous firms' framework and their trade policy implication. Finally, I discuss directions for future research and offer suggestions for further readings.

WORKING PAPERS Opti

Optimal Tariff with Firm Heterogeneity, Variable Markups, and FDI

Also available as Bank of Lithuania Working Paper No. 99, Under Revision

Variable markups and multinational production have gathered considerable attention in the trade literature because of their empirical prevalence and welfare implications. This paper studies the welfare implication of tariffs and optimal tariffs in an environment that features firm heterogeneity, variable markups, and FDI. I find: (i) Tariffs endogenously affect firm entry level, producing different comparative statics in the short-run versus long-run. (ii) Variable markups generate multiple externalities in this economy, causing market outcome to differ from the socially optimum outcome systematically. Permitting tariff-jumping FDI can lower the domestic cutoff levels and reduces the misallocation in the economy. (iii) Free trade is not always socially optimal. If the domestic marginal cost cutoff is sufficiently high, a positive tariff can be welfare-improving since it encourages firm entry. The Nash equilibrium tariff level will also be higher than the socially optimal tariff. (iv) The interaction of variable markup and FDI generates novel welfare implications that are absent if consumers possess CES preference.

Markups and Markdowns in Lithuania (Draft available upon request)

with Jose Garcia-Louzao, Valentin Jouvanceau

Mergers and Acquisitions over the Cycle (Draft available upon request)

with Benjamin Hemingway

WORK IN PROGRESS

Dynamic and Distributional Impacts of Industrial Policies in the Era of Geoeconomic Fragmentation

with Adam Hal Spencer, Zinan Wang

CONFERENCE AND PRESENTATIONS

- KTU, 1st Baltic Central Banks Invited Lecture Series/Conference(Discussant), EBES Conference, 3rd International Workshop for Early Career Economists(scheduled)
 2023
- CIE 2022, 32nd ITFA Annual Conference, 4th Baltic Economic Conference, BoL/NBP/CEBRA Conference on 'New Dimensions of Monetary Policy' (Discussant)
 2022
- ETSG 2021, EEA-ESEM 2021, Annual Congress of the Swiss Society of Economics and Statistics, Scottish Economic Society Annual Conference, 13th FIW-Research Conference International Economics, Global Economic Policy Group Meeting
 2021
- Bank of Lithuania; Chinese Economists Society Annual Conference; MTI International and Macro Brownbag, International Trade and Macro Workshop, UW
 before 2020

PROFESSIONAL ACTIVITIES

• **Referee Assignments:** Baltic Journal of Economics, Open Economies Review (×2)

TEACHING EXPERIENCE

University of Washington, Seattle, WA

Instructor

- Graduate Level
 - PhD Math Camp

Summer 2015, 2016, 2017

- Undergraduate Level
 - ECON 201 (Introductory Macroeconomics)

Winter, Spring 2016

- ECON 301 (Intermediate Macroeconomics)
- Summer 2016, Autumn 2017
- ECON 401 (Advanced Macroeconomics)

Winter, Spring 2018

Teaching Assistant

- · Graduate Level
 - ECON 502 (PhD Macro Core I)

Autumn 2016, 2017

• ECON 503 (PhD Macro Core II)

Winter 2017 Spring 2017

ECON 509 (PhD Macro Core III)EMBA 504 (Strategic Competitive Analysis)

Autumn 2018

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• HMBA 501 (Analysis of Global Economic Conditions)

Winter 2019

- Undergraduate Level
 - ECON 200 (Introductory Microeconomics)

Autumn 2014-Spring 2015

Winter, Spring 2019

Seattle University, Seattle, WA

Adjunct Professor in Economics

• ECON 2110 (Principles of Microeconomics) Autumn 2017, 2018

• ECON 2130 (Principles of Macroeconomics)

• ECON 3100 (Quantitative Methods and Applications)

Autumn 2019

DEPARTMENT SERVICE	• INST 4901: International Studies Honors Program Mentor • Au	itumn 2018
AWARDS AND HONORS	 University of Washington Graduate Student Scholarship, Department of Economics Nominee, Excellence in Teaching Award, University of Washington Graduate Teaching Award for Best TA in PhD Class, Department of Economics Dean's Letter for Outstanding Teaching, College of Arts and Sciences Steven Langton Award for Undergraduate Teaching, Department of Economics Corkery Fellowship, Department of Economics 	2014-2019 2018 2017 2016 2016 2013
	Boston University • Research Assistant Mentor Program Fellowship	2011-2012
Miscellanea	 Computer Skills: Stata, R, Matlab (Dynare), Mathematica, Python, LATEX, GAUSS Language: Chinese (native), English (fluent), Lithuanian (beginner) 	
REFERENCES	Available upon request	