

CONTACT INFORMATION	Department of Economics University of Washington PO Box 353330 Seattle, WA 98195-3330	Office: +1-206-543-5955 Cell: +1-617-595-1655 E-mail: econjosh@uw.edu Web: www.econjosh.com
FIELDS	International Trade, International Macroeconomics and Macroeconomics	
EDUCATION	Ph.D.in Economics, <b>University of Washington</b> , Seattle, WA M.A.in Economics, <b>University of Washington</b> , Seattle, WA M.A.in Economics, <b>Boston University</b> , Boston, MA B.A.in Economics, <b>Lanzhou University</b> , Lanzhou, China • Concentration in Mathematics and Statistics	June 2019(expected) Dec. 2015 Dec. 2012 July 2011
WORKING PAPER	[1] Optimal Tariff with Firm Heterogeneity, Variable Markups and FDI	
WORK IN PROGRESS	[2] Determinants of Business Cycle Comovement: A BMA Analysis [3] Financing Friction in Firm's Life-Cycle Dynamics: Evidence from Indonesia (with Mu-Jeung Yang) [4] Market Power and Structural Change with Heterogeneous Firms(with Guillermo Gallacher) [5] Trade, Input-output Linkages, and Business Cycle Comovement: A BMA Analy	
CONFERENCE AND PRESENTATIONS	• International Trade and Macro Workshop, UW • MTI International and Macro Brownbag, UW • Industrial Organization Reading Group, UW • Chinese Economists Society Annual Conference, Sacramento, CA	<b>2015-Present</b> <b>2017-Present</b> <b>2017-Present</b> <b>2016</b>
TEACHING EXPERIENCE	<b>University of Washington</b> , Seattle, WA	
	<i>Instructor</i>	<b>Average Course Rating: 4.6/5</b>
	• 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
	<i>Teaching Assistant</i>	<b>Average Course Rating: 4.5/5</b>
	• Graduate Level	
	• ECON 502 (PhD Macro Core I)	Autumn 2016, 2017
	• ECON 503 (PhD Macro Core II)	Winter 2017
	• ECON 509 (PhD Macro Core III)	Spring 2017
	• EMBA 504 (Strategic Competitive Analysis)	Autumn 2018
	• Undergraduate Level	
	• ECON 200 (Introductory Microeconomics)	Autumn 2014-Spring 2015

## Seattle University, Seattle, WA

*Adjunct Professor in Economics*

**Average Course Rating: 4.4/5**

- ECON 2110 (Principles of Microeconomics)
- ECON 2130 (Principles of Macroeconomics)

Autumn 2017, 2018  
Winter, Spring 2019

◇ All my teaching evaluations can be accessed [here](#).

### DEPARTMENT SERVICE

#### Seattle University

- INST 4901: International Studies Honors Program Mentor

**Autumn 2018**

### AWARDS AND HONORS

#### University of Washington

- Graduate Student Scholarship, Department of Economics **2014-Present**
- Nominee, Excellence in Teaching Award, University of Washington **2018**
- Graduate Teaching Award for Best TA in PhD Class, Department of Economics **2017**
- Dean's Letter for Outstanding Teaching, College of Arts and Sciences **2016**
- Steven Langton Award for Undergraduate Teaching, Department of Economics **2016**
- Corkery Fellowship, Department of Economics **2013**

#### Boston University

- Research Assistant Mentor Program Fellowship **2011-2012**

#### Lanzou University

- Excellent Bachelor's Degree Thesis Award **2011**
- National Undergraduate Innovational Program Grant **2010-2011**
- Academic Scholarship **2007-2010**

### REFERENCES

Professor Theo Eicher  
Department of Economics  
University of Washington  
te@u.washington.edu,+1 (206) 685-8082

Professor Fabio Ghironi  
Department of Economics  
University of Washington  
ghiro@u.washington.edu,+1 (206) 543-5795

Professor Mu-Jeung Yang  
David Eccles School of Business  
University of Utah  
mujeung.yang@utah.edu,+1 (206) 543-8983

Professor Bridget Hiedemann (Teaching)  
Albers School of Business and Economics  
Seattle University  
bgh@seattleu.edu,+1 (206) 296-2803

### MISCELLANEA

- **Computer Skills:** Stata, R, Matlab (Dynare), Mathematica, Python, L<sup>A</sup>T<sub>E</sub>X, GAUSS
- **Language:** Chinese (native), English (fluent), German (beginner)

### PAPER ABSTRACTS

- **Optimal Tariff with Firm Heterogeneity, Variable Markups and FDI (*Job Market Paper*)**

Variable markups and multinational production have gathered considerable attention in the trade literature, both because of their empirical prevalence and their welfare implication. In this paper, I study the optimal tariff in the presence of variable markups and foreign direct investment. I then identify conditions under which protectionist trade policy, by changing the distribution of markups, and by inducing tariff-jumping FDI, may affect welfare. Three policy implications stand out from the analysis. First, if the initial protection level is sufficiently high, an increase in home's tariff will increase the number of tariff-jumping foreign multinationals and decrease the number of foreign exporters, driving down the average markup in

the home market, and creating a pro-competitive effect. Second, whether zero tariff is socially optimal depends on consumer's preference. Third, the promotion of FDI can reduce the non-cooperative tariff through a novel channel: reducing the misallocation in the economy.

RESEARCH IN  
PROGRESS

- **Determinants of Business Cycle Comovement: A Bayesian Model Averaging Analysis**

In this paper, I seek to find robust empirical evidence for the recent emphasis (*e.g.* Ghironi (2017)) on the importance of micro-foundation in the open economy macroeconomics. I aim to contribute to the empirical literature on the cross-country business cycle synchronization by introducing Bayesian Model Averaging (BMA) analysis. BMA allows inferences to be based on a number of competing models, each weighted by its quality. The procedure naturally delivers a posterior distribution for each candidate regressor, whose mean is a smoothed estimate derived from all relevant models. This methodology resolves the model uncertainty issue surrounding the international business cycle comovement literature. Besides the conventional variables, I plan to extend the data set in Baxter and Kouparitsas (2005) to incorporate the following indices that have been highlighted in the recent theoretical literature: (i) horizontal and vertical FDI; (ii) labor market institutions; (iii) financial market conditions; (iv) trade policy.

- **Financing Friction in Firm's Life-Cycle Dynamics: Evidence from Indonesia** (with Mu-Jeung Yang)

We seek to study the impact of financial frictions on firm life-cycle dynamics in emerging market economies. We plan to explore long-panel data (1976-2009) from an establishment-level survey in Indonesia. More specifically, in our empirical analysis, we ask: (i) is the leverage ratio a desirable measure of financial friction? (ii) does the traditional pecking order theory hold for emerging market economies? (iii) does the financing pattern of firms change over their life-cycle? We also plan to build a heterogeneous firm, stochastic growth model with firms facing constraints on external equity financing to explain the empirical findings.

- **Market Power and Structural Change with Heterogeneous Firms** (with Guillermo Galalcher)

- **Trade, Input-output Linkages, and Business Cycle Comovement: A BMA Analysis**