

# FEI TAN

## CURRICULUM VITAE

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## PROFESSIONAL POSITIONS

Associate Professor of Economics, Saint Louis University, 2022 -  
Assistant Professor of Economics, Saint Louis University, 2015 - 2022  
Research Fellow, Zhejiang University of Finance and Economics, 2015 -

## EDUCATIONAL BACKGROUND

Indiana University, Ph.D. in Economics, Bloomington, IN, Aug. 2009 - Jun. 2015  
Indiana University, M.A. in Mathematics, Bloomington, IN, Aug. 2010 - Feb. 2015  
Zhejiang University, B.A. in Economics, Hangzhou, China, Sep. 2005 - Jun. 2009

## FIELDS OF RESEARCH INTEREST

Macroeconomics, Bayesian Statistics, Evolutionary Dynamics, Tokenomics, Machine Learning

## RESEARCH ARTICLES

### REFEREED PUBLICATIONS

- (With Jieran Wu) Analytic Policy Function Iteration, *Journal of Economic Theory*, Volume 200, March 2022.
- (With Siddhartha Chib and Minchul Shin) DSGE-SVt: An Econometric Toolkit for High-Dimensional DSGE Models with SV and  $t$  Errors, *Computational Economics*, October 2021.
- (With Yoosoon Chang and Junior Maih) Origins of Monetary Policy Shifts: A New Approach to Regime Switching in DSGE Models, *Journal of Economic Dynamics and Control*, Volume 133, December 2021.
- (With Bing Li and Pei Pei) Financial Distress and Fiscal Inflation, *Journal of Macroeconomics*, Volume 70, December 2021.
- A Frequency-Domain Approach to Dynamic Macroeconomic Models, *Macroeconomic Dynamics*, Volume 25, Issue 6, September 2021, Page 1381–1411.
- Interpreting Rational Expectations Econometrics via Analytic Function Approach, *Economics Bulletin*, Volume 37, Issue 2, June 2017, Page 1182–1190.

- An Analytical Approach to New Keynesian Models under the Fiscal Theory, *Economics Letters*, Volume 156, July 2017, Page 133–137.
- (With Hang Ye, Shu Chen, Jun Luo, Yongmin Jia, and Yefeng Chen) Increasing Returns to Scale: The Solution to the Second-Order Social Dilemma, *Scientific Reports* 6, Article No. 31927, August 2016.
- (With Todd B. Walker) Solving Generalized Multivariate Linear Rational Expectations Models, *Journal of Economic Dynamics and Control*, Volume 60, November 2015, Page 95–111.
- (With Hang Ye, Mei Ding, Yongmin Jia and Yefeng Chen) Sympathy and Punishment: Evolution of Cooperation in Public Goods Game, *Journal of Artificial Societies and Social Simulation*, Volume 14, Issue 4, October 2011.

#### WORKING AND DISCUSSION PAPERS

- (With Jieran Wu and Zheliang Zhu) A Belief-Driven Taylor Rule, January 2023.
- (With Leifei Lyu and Zheliang Zhu) Policy Rule Regressions with Survey Data, January 2023.
- Appetite for Treasuries, Debt Cycles, and Fiscal Inflation, October 2022.
- (With David E. Rapach) Bayesian Estimation of Macro-Finance DSGE Models with Stochastic Volatility, revision requested at *Journal of Applied Econometrics*, June 2020.
- (With Zhao Han and Jieran Wu) Learning from Monetary and Fiscal Policy, revision requested at *Review of Economic Dynamics*, March 2022.

#### WORK IN PROGRESS

- (With Leifei Lyu) Disinformation, Citizen Journalism, and Distributed Consensus, in progress.
- (With Kenneth Kasa and Jieran Wu) A Response to Chahrour and Jurado, in progress.
- (With Jieran Wu) Robust Prediction and Policy Inertia, in progress.
- (With Siddhartha Chib) Bayesian Analysis of DSGE Moment Models, in progress.
- (With Siddhartha Chib, Thorsten Drautzburg, and Minchul Shin) Impending Recession? A FTPL-Based Forecast Metric, in progress.
- (With Hailong Qian) Bayesian GMM Estimation of Fixed-Effects Panel Data Models, in progress.

## PROFESSIONAL EXPERIENCE

### TEACHING EXPERIENCE

Graduate: Applied Bayesian Statistics (SLU), Bayesian DSGE Models (SLU), International Macroeconomics (SLU), Math Camp for Ph.D. Students (IU)

Undergraduate: Money and Banking (IU), Intermediate Macroeconomics (SLU, IU), Introduction to Microeconomics & Macroeconomics (IU), International Macroeconomics (SLU)

### CONFERENCES AND SEMINARS

2021 - 25: NBER-NSF Seminar on Bayesian Inference in Econometrics and Statistics (Washington University in St. Louis), Midwest Econometrics Group Conference (Michigan State University)

2016 - 20: NBER-NSF Seminar on Bayesian Inference in Econometrics and Statistics (Washington University in St. Louis), Midwest Econometrics Group Meeting (St. Louis Fed, Texas A&M University, University of Wisconsin-Madison), Midwest Macroeconomics Conference (University of Pittsburgh), China Meeting of the Econometric Society (Fudan University)

### OTHER ACTIVITIES AND SERVICES

SLU: Simon Endowed Chair Search Committee (2023), DEI Director Search Committee (2021), Faculty Senate (2020 -), Research Seminar Organizer (2017 - 2021), Math Education Committee (2016 - 2020), Graduate Board Committee (2016, 2019 - 2021)

### REFEREE EXPERIENCE

European Economic Review, Journal of Econometrics, Journal of Economic Dynamics and Control, Economics Letters (x2), Computational Economics, Macroeconomic Dynamics, Journal of Macroeconomics, Journal of Difference Equations and Applications, Energy Economics

### DOCTORAL STUDENTS AND PLACEMENT

Yi-chun Lin (WUSTL, reader), in progress, 2023

Zheliang Zhu (WUSTL, co-chair), Assistant Professor, Beijing Normal University, 2023

Leifei Lyu (WUSTL, co-chair), in progress, 2024

## AWARDS AND HONORS

Summer Grant Award, Chaifetz School of Business, Saint Louis University, 2019 - 2022

Annual Research Award, Chaifetz School of Business, Saint Louis University, 2016, 2022

Henry M. Oliver Award for Excellence in Economic Theory, Indiana University, 2014

Best Third Year Paper Award, Department of Economics, Indiana University, 2012  
Best Graduation Thesis, College of Economics, Zhejiang University, 2009  
First Prize of 9th Challenge Cup Thesis Oral Defense, Zhejiang University, 2008  
Chu Kochen Honors College Students, Zhejiang University, 2005

### **PERSONAL INFORMATION**

Background: China citizenship, U.S. permanent resident, single with one cat  
Languages: Chinese, English, C/C++, MATLAB, Python  
Interests: space economy, artificial intelligence, plant-based food  
Hobbies: soccer, basketball, road trip, programming, trading