

Working Papers:

- “Deciphering Federal Reserve Communication via Text Analysis of Alternative FOMC Statements” with Dongho Song and Shu-Kuei Yang, RWP 20-14.
- “Assessing Macroeconomic Tail Risks in a Data-Rich Environment” with Thomas R. Cook, RWP 19-12.
- “A New Approach to Integrating Expectations into VAR Models” with Andrew Lee Smith, RWP 18-13. (R & R)
- “The Trend Real Interest Rate and Stagnation Risk: Bayesian Exponential Tilting with Survey Data” RWP 17-08.
- “The Equilibrium Term Structure of Equity and Interest Rates” with Shu Wu, RWP 16-11.
- “Cash Flow and Risk Premium Dynamics in an Equilibrium Asset Pricing Model with Recursive Preferences” with Shu Wu, RWP 15-12.
- “Yield Curve and Monetary Policy Expectations in Small Open Economies” with Kwan Soo Bong and Woong Yong Park, RWP 14-13.

Work in Progress:

- “Evaluating Equilibrium Term Structure Models: Approximate Bayesian Computation Approach” with Minchul Shin and Jih Chian Wu.

Policy Articles

- “How You Say it Matters: Text Analysis of FOMC Statements Using Natural Language Processing” with Sungil Kim and Shu-Kuei Yang, Federal Reserve Bank of Kansas City Economic Review Vol. 106 (1).
- “Tracking U.S. GDP in Real Time” with Jaeheung Bae, Federal Reserve Bank of Kansas City Economic Review Q3, 2019.
- “Assessing the Risk of Extreme Unemployment Outcomes” with Thomas Cook, Federal Reserve Bank of Kansas City Economic Bulletin, August 28, 2019.
- “Revamping the Kansas City Financial Stress Index Using the Treasury Repo Rate” with Thomas Cook, Federal Reserve Bank of Kansas City Economic Bulletin, October 24, 2018.
- “Has the Anchoring of Inflation Expectations Changed in the United States during the Past Decade?” with Amy Oksol, Federal Reserve Bank of Kansas City Economic Review Q1 2018.
- “Measuring the Stance of Monetary Policy on and off the Zero Lower Bound” Federal Reserve Bank of Kansas City Economic Review Q3 2016.
- “Should Monetary Policy Monitor Risk Premiums in Financial Markets?” with Guangye Cao and Daniel Molling, Federal Reserve Bank of Kansas City Economic Review Q1, 2015.
- “Has the Effect of Monetary Policy Announcements on Asset Prices Changed?” with Michael Connolly, Federal Reserve Bank of Kansas City Economic Review Q3, 2013.
- “Is Unemployment Helpful in Understanding Inflation?”, Federal Reserve Bank of Kansas City Economic Review Q4, 2011.
- “The Efficacy of Large-scale Asset Purchases at the Zero Lower Bound”, Federal Reserve Bank of Kansas City Economic Review Q2, 2010.

Honors and Awards:

- President’s Award for Excellence, Federal Reserve Bank of Kansas City, 2015
- Hiram C. Haney Fellowship Award in Economics,
Department of Economics, University of Pennsylvania 2007 (the best third-year paper)
- Korea Foundation for Advanced Studies Fellowship, 2003-2007
- Lawrence Robbins Prize for the Best First Year Student (based on preliminary exams),
Department of Economics, University of Pennsylvania 2004
- Fellow, Institute on Computational Economics 2006, Argonne National Laboratory

Teaching Experience:

Guest Instructor, Time-series Forecasting, Executive MBA Class, University of Missouri, Kansas City, April, 2017.

Undergraduate Instructor, Topics in Macroeconomics: Growth and Development, University of Pennsylvania, Summer 2006.

Professional Activities**Seminar**

: University of Oklahoma, University of Kansas, Kansas State University, Korea University, Yonsei University, Korea Development Institute, Seoul National University, Yonsei University, University of California, Riverside, Duke University, Federal Reserve Board, Federal Reserve Banks of Kansas City, New York, Richmond, and San Francisco, Bank of Korea.

Conference Presentation

: Summer Meeting of the North American Econometric Society, 2006, 2008, 2009, 2017, 2018, 2019

Summer Meeting of the Society for Computational Economics, 2007, 2017

Vienna Symposium on Asset Management, 2007, Federal Reserve System Macro Meeting, 2007

American Economic Association Winter Meeting, 2008, 2011

8th Annual Missouri Economics Conference, 2008

16th Annual Symposium of the Society for Nonlinear Dynamics and Econometrics, 2008

Midwest Macro Meetings, 2008, 4th Dynare Conference, 2008, 7th Dynare Conference, 2011

Society for Economic Dynamics Annual Meeting, 2008, 2009

Workshop on Methods and Application of DSGE Models, 2008, 2017, 2018

Joint Statistical Meetings, 2009, 2020

Korean Econometric Society Summer Workshop, 2009

Annual Meeting of the Western Finance Association, 2010

11th Dynare Conference, 2015

Midwest Macroeconomics Meeting, Spring 2014, Fall 2015, 2018, 2019,

NBER-NSF Seminar in Bayesian Inference in Econometrics and Statistics 2016, 2019.

Discussion

“The Fiscal Limit and Non-Ricardian Consumers” by Alexander W. Richter at the Annual Meeting of the American Economic Association, 2012.

“The Effectiveness of Alternative Monetary Policy Tools in a Zero Lower Bound Environment” by James D. Hamilton and Jing Cynthia Wu, Federal Reserve Bank of Saint Louis Conference on Quantitative Easing, 2011.

“Research and Development, Profits and Firm Value: A Structural Estimation” by Missaka Warusatharana at the Federal Reserve System Applied Microeconomics Meeting, 2009.

“The Power of Long-Run Structural VARs” by Christopher Gust and Robert Vigfusson at the Federal Reserve System Macro Meeting, 2008,

Referee Service:

B. E. Journal of Macroeconomics, Economic Letters, European Economic Review, Finance Research Letters, International Economic Review, Journal of Banking and Finance, Journal of Business and Economic Statistics, Journal of Econometrics, Journal of Economic Dynamics and Control, Journal of the European Economic Association, Journal of Empirical Finance, Journal of Finance, Journal of Macroeconomics, Journal of Money, Credit, and Banking, Journal of Monetary

Economics, Macroeconomic Dynamics, Quantitative Economics, Quantitative Finance, Review of Economics and Statistics, Review of Financial Studies, Risks.

Professional Affiliations:

American Economic Association, Econometric Society, American Statistical Association, Korean American Economic Association,
Research Associate Professor, Department of Economics, University of Kansas (2014-2015).

Professional Certificate: Artificial Intelligence Professional Program by Stanford Center for Professional Development (February 26, 2021).

Citizenship: U.S.

References: Available upon Request