

NSF-CEME Seminar in Bayesian Econometrics and Statistics Conference Program

May 2-3, 2025

Federal Reserve Bank of Philadelphia

Important Notice:

Government-issued ID (matching the name on registration) is required to enter the Fed building.

Friday, May 2, 2025 7:30 am – 7:30 pm	
7:30 am - 8:00 am	Continental Breakfast - Pennsylvania Room
Session 1	VAR Modeling and Model Selection Chair: Siddhartha Chib
8:00 am - 9:30 am	<ul style="list-style-type: none">“Misspecification-Robust Shrinkage and Selection for VAR Forecasts and IRFs” Oriol González-Casasús, Frank Schorfheide“Singular Vector Autoregressions” Eric Eisenstat, Rodney W. Strachan“Regime-Switching Structural Vector Autoregression Identified by Sign Restrictions: Asymmetric Effects of Monetary Policy Revisited” Lam Nguyen“Bayesian Model Comparison for Large Bayesian VARs after the COVID-19 Pandemic”, Joshua C.C. Chan, Xuewen Yu, Wei Zhang
9:30 am - 9:45 am	Refreshment Break
Session 2	New Methods for Structural Analysis

	Chair: Annika Camehl
9:45 am - 11:15 am	<ul style="list-style-type: none"> “Scenario Synthesis and Macroeconomic Risk” Tobias Adrian, Domenico Giannone, Matteo Luciani, Mike West “Inference Based on Scale, Label, and Economic Restrictions” Jonas Arias, Juan Rubio-Ramirez, Daniel F. Waggoner “Dynamic Graphical Models: Theory, Structure and Counterfactual Forecasting” Luke Vrotsos, Mike West “Time-Varying Identification of Structural Vector Autoregressions” Annika Camehl, Tomasz Woźniak
Session 3	Change Points Chair: Jingyu He
11:20 am - 12:30 pm	<ul style="list-style-type: none"> “Structural Breaks, Model Uncertainty and Factor Selection” Siddhartha Chib, Simon C. Smith “A Bayesian Framework for Detecting Structural Changes in Time Varying Parameters of Panel Models” Padma Sharma, Trambak Banerjee “A Bayesian Framework for Change-point Detection with Uncertainty Quantification” Davis Berlind, Lorenzo Cappello, Oscar Hernan Madrid Padilla
12:30 pm - 1:30 pm	Lunch
Session 4	Finance Chair: Mike West
1:30 pm - 2:45 pm	<ul style="list-style-type: none"> “Equity vs. Bonds, What Happened During COVID-19? A Bayesian Nonparametric Analysis” Hamidreza Khoshro, John M. Maheu “Machine Learning and the Yield Curve: Tree-Based Macroeconomic Regime Switching” Siyu Bie, Francis X. Diebold, Jingyu He, Junye Li “Estimation and Comparison of Beta-Pricing Models” Siddhartha Chib, Guanhao Feng, Jingyu He, Qianshu Zhang
2:45 pm - 3:00 pm	Refreshment Break
Session 5	Advances in Bayesian Computation Chair: Frank Schorfheide

3:00 pm - 4:15 pm	<ul style="list-style-type: none"> “Sampling from High-Dimensional Multimodal Distributions Using Automatically Tuned Tempered Hamiltonian Monte Carlo” Joonha Park “Differentiable, Filter Free Bayesian Estimation of DSGE Models Using Mixture Density Networks” Christopher Naubert “Deep Generative Quantile Bayes” Jungeum Kim, Percy S. Zhai, Veronika Ročková
4:15 pm - 4:30 pm	Refreshment Break
Session 6	Forecasting Chair: Frank Diebold
4:30 pm - 5:45 pm	<ul style="list-style-type: none"> “Interaction Between Financial Intermediation and the Macroeconomy: Downsides, Macro Risks, and Banking Stress” Sudiksha Joshi “A Dynamic Copula Model for Probabilistic Forecasting of Non-Gaussian Multivariate Time Series” John Zito, Daniel R. Kowal “Bayesian Forecasting with Imbalanced Panels: Ensemble Predictions with Forecast Surveys” Matthew C. Johnson, Minzhengxiong Zhang, Kenichiro McAlinn
6:00 pm - 7:45 pm	Reception
8:00 pm - 9:30 pm	DINNER – Veda – Modern Indian Bistro, 1920 Chestnut Street, Philadelphia, PA 19103 (Attendance limited to those who responded affirmatively to the dinner invitation)
Saturday, May 3, 2025	
8:00 am - 8:30 am	Continental Breakfast - Pennsylvania Room
Session 7	Microeometrics I Chair: Minchul Shin
8:30 am - 10:00 am	<ul style="list-style-type: none"> “Estimating Discrete Choice Demand Models with Sparse Market-Product Shocks” Zhentong Lu, Kenichi Shimizu “A Quasi-Bayes Approach to Nonparametric Demand Estimation with Economic Constraints” James Brand, Adam N. Smith “A Gibbs Sampler for Efficient Bayesian Inference in Sign-Identified SVARs” Jonas E. Arias, Juan Rubio-Ramirez, and Minchul Shin

	<ul style="list-style-type: none"> “Scalable Piecewise Smoothing with BART” Ryan Yee, Soham Ghosh, Sameer K. Deshpande
10:00 am - 10:15 am	Refreshment Break
Session 8	Microeometrics II Chair: Andriy Norets
10:15 am - 11:45 am	<ul style="list-style-type: none"> “Bayesian Nonparametric Model for Nonseparable Instrumental Variable Regression” Simone Marinelli, Andriy Norets “Semiparametric Bayesian Inference for a Conditional Moment Equality Model” Christopher D. Walker “A Bayesian Classification Trees Approach to Treatment Effect Variation with Noncompliance” Jared D. Fisher, David W. Puelz, Sameer K. Deshpande “Bayesian Causal Synthesis for Meta-Inference on Heterogeneous Treatment Effects” Shonosuke Sugasawa, Kosaku Takanashi, Kenichiro McAlinn, Edoardo M. Airoldi
11:45 am - 12:00 pm	Refreshment Break
Session 9	Applications Chair: Jonas Arias
3:00 pm - 4:15 pm	<ul style="list-style-type: none"> “A Non-Gaussian GDP Anatomy” Michele Piffer “A Large-Scale Bayesian VAR for Disaggregated GDP Components” Taeyoung Doh, Edward P. Herbst, Alexander Gallin “(Re-)Connecting Inflation and the Labor Market: A Tale of Two Curves” Hie Joo Ahn, Jeremy B. Rudd
1:00 pm	Conference Adjournment – Boxed Lunches