

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 (<i>Attendance limited to those who responded affirmatively to the dinner invitation</i>)
Saturday, May 3, 2025	
8:00 am - 8:30 am	Continental Breakfast - Pennsylvania Room
Session 7	Microeconometrics 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	Microeconometrics 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 Martinalli, 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 Sugawara, Kosaku Takanashi, Kenichiro McAlinn, Edoardo M. Airolidi
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