2023 NBER-NSF Time Series Conference

Friday, September 22 – Saturday, September 23
175 Av. du Président-Kennedy, Montréal
Hosted by
Department of Economics, UQAM

Website: https://www.cirano.qc.ca/en/events/1126#sommaire

Local organizing committee:
Alain Guay and Dalibor Stevanovic (UQAM)

Program committee:
Marine Carrasco (UdeM), Silvia Gonçalves (McGill), Alain Guay and Dalibor Stevanovic

All participants are expected to comply with the NBER's Conference Code of Conduct.

We thank the listed sponsors below for supporting this conference.

Jean-Marie Dufour's William Dow Chair in Political Economy

Russell Davidson's *Canada* Research Chair in Economics

Program

Schedule:

Friday		Saturday	
8:15-8:45	Registration and breakfast	8:30-8:55	Registration and breakfast
8:45 - 8:50	Opening remarks		
8:50 - 10:20	Session 1: Finance	9:00 - 10:30	Session 5: Statistics
10:20 - 10:40	Coffee break	10:30 - 10:50	Coffee break
10:40 - 12:10	Session 2: SVARs	10:50 - 12:20	Session 6: Time Series
12:10 - 13:40	Lunch and Poster session 1	12:20 - 14:00	Lunch and Poster session 2
13:40 - 15:10	Session 3: Factor Models		
15:10 - 15:30	Coffee break		
15:30 - 17:00	Session 4: Testing		
18:30	Cocktail		

Regular sessions:

Friday, September 22

8:50 – 10:20 Session 1: Finance. Chair: Benoit Perron (UdeM)

- *Networking the Yield Curve Surprises: Implications for Monetary Policy*
  Tatjana DAHLHAUS (Bank of Canada)
- *Hansen-Jagannathan distance with many assets*
  Marine CARRASCO (Université de Montréal)
- *Robust Stock Index Return Predictions Using Deep Learning*
  Yuan LIAO (Rutgers)

10:40 – 12:10 Session 2: SVARs. Chair: Rodrigo Sekkel (Bank of Canada)

- *Robust Inference for Non-Gaussian SVAR models*
  Geert MESTERS (UPF)
- *Intervention analysis, causality and generalized impulse responses in VAR models: theory and inference*
  Jean-Marie DUFOUR (McGill)
- *Nonlinear Fore(Back)casting and Innovation Filtering for Causal-Noncausal (S)VAR Models*
  Joann JASIAK (York)

13:40 – 15:10 Session 3: Factor Models. Chair: Frank Diebold (UPenn)

- *Multidimensional dynamic factor models*
  Filippo PELLEGRINO (Imperial College)
- *Time-Varying Matrix Factor Model*
  Bin CHEN (Rochester)
- *Tensor Principal Component Analysis*
  Eric GHYSELS (UNC Chapel Hill)

15:30 – 17:00 Session 4: Testing. Chair: David Ardia (HEC Montréal)

- *Predictive Ability Tests with Possibly Overlapping Models*
  Daniel GUTKNECHT (Goethe University)
- *Bootstrapping out-of-sample predictability tests with real-time data*
  Michael McCracken (St-Louis Fed)
- *Testing for common structures in high-dimensional factor models*
  Marie-Christine DÜKER (FAU Erlangen)

Saturday, September 23

9:00 – 10: 30 Session 5: Statistics. Chair: Prosper Dovonon (Concordia)

- *√2-Estimation for Smooth Eigenvectors of Matrix-Valued Functions*
  Mohsen POURAHMADI (Texas AM)
- *A statistical framework for analyzing shape in a time series of random geometric objects*
  Anne van DELFT (Columbia)
- *Nonlinear network autoregression*
  Mirko ARMILLOTTA (Vrije Amsterdam)

10:50 – 12:20 Session 6: Time Series. Chair: Victoria Zinde-Walsh (McGill)

- *Identification Through Sparsity in Factor Models: the l1-rotation criterion*
  Simon FREYALDENHOVEN (Philadelphia Fed)
- *The Local to Unity Dynamic Tobit Model*
  Anna BYKHOVSKAYA (Duke)
- *Robust Observation-Driven Models Using Proximal-Parameter Updates*
  Dick van DIJK (Erasmus University)

Poster sessions:

Friday, September 22

Title	Presenter		
Modelling Long Cycles	Vadim	MARMER	(UBC)
Financial and Macroeconomic Data Through the Lens of a Nonlinear Dynamic Factor Model	Molin	ZHONG	(FED Board)
High-dimensional latent Gaussian count time series: Concentration results for autocovariances and applications	Vladas	PIPIRAS	(UNC Chapel Hill)
Maximally Machine-Learnable Portfolios	Philippe	GOULET COULOMBE	(UQAM)
Generalized Autoregressive Score Trees and Forests	Yasin	SIMSEK	(Duke)
Quantile VARs and Macroeconomic Risk	Stéphane	SURPRENANT	(UQAM)
Linking Frequentist and Bayesian Change-Point Methods	David	ARDIA	(HEC Montréal)

Testing for Multiple Structural Breaks in Multivariate Long Memory Time Series	Philipp	SIBBERTSEN	(Leibniz)
Simultaneous Inference of Regression with Time-varying Random Coefficients	Kun Ho	KIM	(Concordia)
Identification and Forecasting of Bull and Bear Markets using Multivariate Returns	John	MAHEU	(McMaster)
Predictive identification robust confidence sets with application to tail risk measures	Lynda	KHALAF	(Carleton)
Testing Linear Cointegration Against Smooth Transition Cointegration	Martin	WAGNER	(Unviersity of Klagenfurt, Bank of Slovenia and Institute for Advanced Studies, Vienna)
High-Dimensional Dynamic Factor Models with Markov Switching	Erik	KOLE	(Erasmus University Roterdam)
Measuring Consumers Inflation Expectations: A Natural Language Approach	Firmin	AYIVODJI	(UdeM)
Least squares estimation in nonlinear cohort panels with learning from experience	Alexander	MAYER	(Universita Ca' Foscari)
Polar Amplification in a Moist Energy Balance Model: A Structural Econometric Approach to Estimation and Testing	Isaac	MILLER	(Missouri)
Heavy Factor Models	Jihyun	KIM	(Sungkyunkwan University)

Saturday, September 23

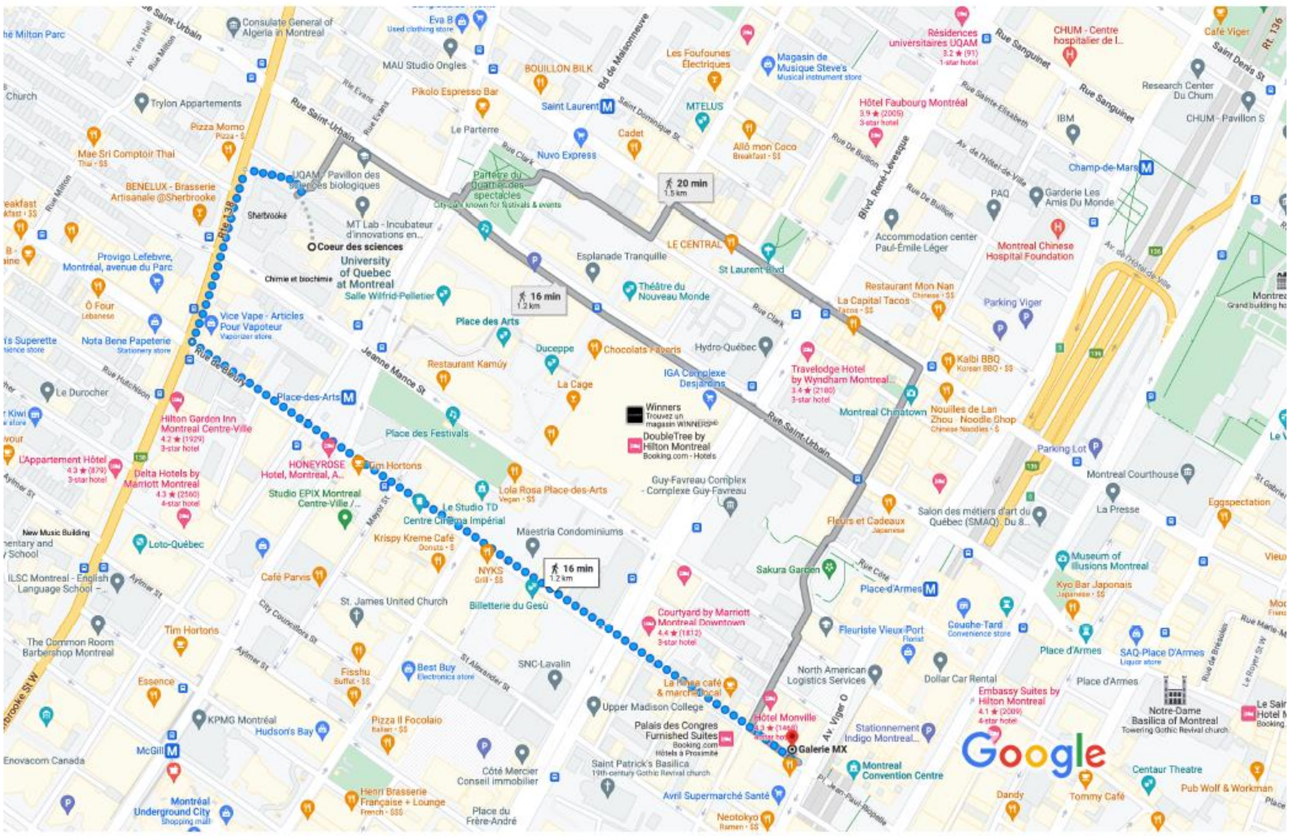
Title	Presenter		
Monte Carlo Likelihood Ratio Tests for Markov Switching Models	Gabriel R.	RONDON	(McGill)
Measuring Attention in Forecasts	Susannah	SCANLAN	(Columbia)
Adaptive eigenspace regularized rank-robust Wald tests	Pascale	VALERY	(HEC Montréal)
Graph Neural Networks for Forecasting Realized Volatility with Spillover Effects	Chao	ZHANG	(Oxford)
Stationary Ultra Long Run Component	Jihyun	KIM	(Sungkyunkwan University)
Nonlinear Impulse Response Functions and Local Projections	Quinlan	LEE	(Toronto)
Efficiency bounds for moment condition models with mixed identification strength	Prosper	DOVONON	(Concordia)
Another Look at Bandwidth-free Inference: a Sample Splitting Approach	Yi	ZHANG	(UofIllinois: Urbana-Champaign)
Time-varying kernel densities as dynamic infinite mixture models	Pierluigi	VALLARINO	(Erasmus University Roterdam)

Quasi Maximum Likelihood Estimation for an Observation-Driven Nonlinear Common Trend Model	Janneke	van BRUMMELEN	(Vrije Amsterdam)
Impulse Response Analysis at the Zero Lower Bound	Thomas	LUBIK	(Richmond Fed)
Cointegration with Occasionally Binding Constraints	James	DUFFY	(Oxford)
Precision Least Squares Estimation and Inference in High Dimensions	Rosnel	SESSINOU	(HEC Montréal)
Private and Common Information Acquisition: Evidence and Implications	Kristoffer	NIMARK	(Cornell)
Mind Your Language: Central Bank Communication, Speech-Implied Forecast Revisions, and High-Frequency Market Response	Deniz	ERDEMLIOGLU	(IESEG School of Management)
Nonparametric Time Series Modelling via Sieve Estimation	Philipp	RATZ	(UQAM)
Macroeconomic Predictions using Payments Data and Machine Learning	Ajit	DESAI	(Bank of Canada)
Modelling Large Dimensional Datasets with Markov Switching Factor Models	Daniele	MASSACCI	(King's College)

Cocktail venue

Cocktail will take place at Galerie MX, starting from 18h30. The address is 333 Av. Viger O, Montreal, Quebec H2Z 0A1.

Coeur des sciences, Montreal, QC to Galerie MX, 333 Av. Viger O, Montreal, Quebec H2Z 0A1 Walk 1.2 km, 16 min



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Internet

Wi-Fi is available through the eduroam network.
If you do not have an eduroam account, follow the steps below to obtain a guest access.

Guest eduroam access

1. Text “NBER” to the mobile number 1 833 338 7626.
2. You will immediately receive a return text containing your personal WIFI username and a password.
3. Select the eduroam Wi-Fi network on your device and enter your username and password.
4. Install eduroam security settings on your device. Scan the QRcode below.

Restaurant suggestions

Conference venue area (Quartier des spectacles)	Vieux Montréal
Galaxie Brasserie Kamuy Cadet Bouillon Bilk Omma Café parvis Bénélux	Chez Delmo Restaurant Helena Brasserie 701 **Village and Plateau** Chez Victoire O’thym ◊ La prunelle ◊ Les Oiseaux de Passage ◊ L’express

◊ *Bring-your-own-wine restaurant*