Colloque CIREQ d'économétrie
CIREQ Econometrics Conference

Inférence dans les grands modèles économétriques

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Inference in Large Econometric Models

5-6 mai / May 2017

Hôtel de l'Institut
3535, rue Saint-Denis, 6e étage, Montréal
salle / room Mont-Royal

Sous la direction de / Organized by :

- Marine Carrasco (Université de Montréal, CIRANO, CIREQ)
- Prosper Dovonon (Concordia University, CIRANO, CIREQ)

Support financier / Financial Support

CIRANO Allier savoir et décision	Centre interuniversitaire de recherche en analyse des organisations
Canada Research Chairs / Chaires de recherche du Canada	la Chaire de recherche du Canada en économie de Russell Davidson / Russell Davidson's Canada Research Chair in Economics
McGill	la Chaire William Dow d'économie politique de Jean-Marie Dufour / Jean-Marie Dufour's William Dow Chair in Political Economy, McGill University

Vendredi, le 5 mai 2017 — Friday, May 5, 2017

8:30-8:50 **Inscription et petit-déjeuner continental / Registration and continental breakfast**

8:50-9:00 **Accueil / Welcome**

9:00-10:30 **SESSION I – Président / Chair : Saraswata CHAUDHURI** (McGill University, CIREQ)

Donald ANDREWS (Yale University)
A Note on Optimal Inference in the Linear IV Model

Kirill EVDOKIMOV (Princeton University), Michal Kolesar (Princeton University)
Inference with Many Instruments and Heterogeneous Treatment Effects

Stéphane Bonhomme (University of Chicago), Thibaut Lamadon (University of Chicago), **Elena MANRESA** (MIT)
Discretizing Unobserved Heterogeneity

10:30-11:00 **Pause / Break**

11:00-12:30 **SESSION II – Présidente / Chair : Sílvia GONÇALVES** (Western University)

Victor Chernozhukov (MIT), Juan Carlos Escanciano (Indiana University), Hidehiko Ichimura (University of Tokyo), **Whitney NEWEY** (MIT)
Locally Robust Semiparametric Estimation

Mehmet CANER (Ohio State University), Anders Kock (Aarhus University)
Asymptotically Honest Confidence Regions for High Dimensional Parameters by the Desparsified Conservative Lasso

Yuan LIAO (Rutgers University)
The Factor-Lasso and K-Step Bootstrap Approach for Inference in High-Dimensional Economic Applications

12:30-14:00 **Lunch** (salle / room Saint-Louis)

14:00-16:00 **SESSION III – Président / Chair : Alain GUAY** (UQAM)

Christian GOURIÉROUX (CREST, University of Toronto), Alain Monfort (CREST)
Pairwise Analysis of High Dimensional Stochastic Volatility with Market Benchmark

Paolo ZAFFARONI (Imperial College, UK)
Testing Beta-Pricing Models Using Large Cross-Sections

Patrick Bardsley (University of Texas), Lajos Horvath (University of Utah), **Piotr KOKOSZKA** (Colorado State University), Gabriel Young (Columbia University)
Change Point Tests in Functional Factor Models with Application to Yield Curves

Prosper DOVONON (Concordia University, CIRANO, CIREQ), Abderrahim Taamouti (Durham University, UK), Julian Williams (Durham University, UK)
Bootstrap Methods for PCA of High Frequency Processes

16:15-17:30 **POSTER SESSION IV** (salle / room Saint-Louis)

Michael AGUESSY (Concordia University, CIREQ)
Model Selection with Possibly Weak Identification

David BENATIA (Université de Montréal, CIREQ)
Functional Econometrics of Supply Function Auctions : An Application to the New York Electricity Market

Taoufik BOUEZMARNI (Université de Sherbrooke)
Nonparametric Measures of Local Causality and Tests of Local Non-Causality in Time Series

Marine CARRASCO (Université de Montréal, CIRANO, CIREQ)
A Regularization Approach to the Dynamic Panel Data Model

Simon FREYALDENHOVEN (Brown University)
Factor Models of Arbitrary Strength

Hyojin HAN (Brown University)
Identification Strength with a Large Number of Moments

Ilze KALNINA (University College London) & **Kokouvi TEWOU** (Université de Montréal, CIREQ)
Cross-Sectional Dependence in Idiosyncratic Volatility

Ke-Li XU (Indiana University, Bloomington)
Testing for Return Predictability with Co-moving Predictors of Unknown Form

Zhu YAJING (Concordia University)
Copula by Triangulation

18:00 **Souper de conférence** (sur invitation seulement) / **Conference dinner** (invitation only)

Samedi, le 6 mai 2017 — Saturday, May 6, 2017

8:30-9:00 **Inscription et petit-déjeuner continental / Registration and continental breakfast**

9:00-10:30 **SESSION V – Présidente / Chair : Victoria ZINDE-WALSH** (McGill University, CIREQ)

Eric RENAULT (Brown University), Michael Bedard (Brown University)
Asymptotic Efficiency in Estimation with Moment Restrictions Including Latent Variables

Eric GAUTIER (Toulouse School of Economics, France), Chris Rose (Toulouse School of Economics, France)
Inference on Social Effects When the Network Is Sparse and Unknown

Guy TCHUENTE (University of Kent, UK)
Estimation of Social Interaction Models Using Regularization

10:30-11:00 **Pause / Break**

11:00-12:30 **SESSION VI – Président / Chair : James MacKINNON** (Queen's University)

Victor CHERNOZHUKOV (MIT)
Inference on High-Dimensional Treatment and Structural Effects Using Machine Learning

Yves ATCHADÉ (University of Michigan, Ann Arbor)
A Regularization Scheme for High-Dimensional Spike-and-Slab Posterior Distributions

Jan JOHANNES (Ruprecht-Karls-Universität, Heidelberg)
Inverse Problems in Economics Data-Driven Estimation by Aggregation

12:30-14:00 **Lunch** (restaurant de l'hôtel, rez-de-chaussé / hotel restaurant, ground floor)

14:00-15:30 **SESSION VII – Président / Chair : Benoit PERRON** (Université de Montréal, CIREQ)

Bruce HANSEN (University of Wisconsin, Madison)
Stein Combination Shrinkage for Vector Autoregressions

Matteo BARIGOZZI (London School of Economics, UK), Matteo Luciani (Federal Reserve, Board)
Common Factors, Trends and Cycles in Large Datasets

Dalibor STEVANOVIC (UQAM), Maxime Leroux (Finance Canada), Rachidi Kotchoni (Université de Paris, Nanterre)
Forecasting Economic Activity in Data-Rich Environment

15:30 **Clôture / Adjourn**