21st Dynamic Econometrics Conference

The Elliott School of International Affairs
Room 213, George Washington University, Washington D.C., USA

Thursday, March 14 & Friday, March 15, 2019

Timberlake Analytics, Inc
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1. Organizers

1.1. Local Organizing Committee:

- Neil R. Ericsson (Board of Governors of the Federal Reserve System, GWU and SAIS)
- Frederick L. Joutz (George Washington University)
- Kyle Renner (George Washington University)

1.2. Programme Committee:

- Neil R. Ericsson (Board of Governors of the Federal Reserve System, GWU and SAIS)
- Frederick L. Joutz (George Washington University)
- Jennifer L. Castle (University of Oxford)
- Jurgen A. Doornik (principal of OxMetrics Technologies)
- David F. Hendry (developer of PcGive)
- Siem Jan Koopman (developer of STAMP and SsfPack)
- Sébastien Laurent (developer of G@RCH)
- Giovanni Urga (Cass Business School, City University, London and University of Bergamo, Italy)

1.3. Logistics Organizer:

- Timberlake Analytics, Inc.
2. Practical Information

Location:
The Elliott School of International Affairs, George Washington University Room 213, 1957 E Street NW, Washington, D.C., 20052 USA

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Map:
- https://goo.gl/maps/Aj3gBTdpqDN2
3. Conference Programme

3.1. Thursday, March 14, 2019

08:30 – 09:00 Registration and Coffee/Tea/Pastries

09:00 – 09:10 **Welcoming Remarks:** Sumit Joshi (Chair, Dept. of Economics GWU)

**Announcements:** Neil R. Ericsson and Frederick L. Joutz (co-chairs)

09:10 – 10:40 **Session 1: Structural Breaks**

Takamitsu Kurita* and Bent Nielsen

*Partial Cointegrated Vector Autoregressive Models with Structural Breaks in Deterministic Terms*

Haixi Li and Xuguang (Simon) S. Sheng*

*Monitoring Structural Breaks: A Bayesian Sequential Quickest Detection Method*

Neil R. Ericsson*

*Detecting Crises, Jumps, and Changes in Regime with Saturation Techniques*

10:40 – 11:00 Coffee/Tea Break

11:00 – 12:30 **Session 2: Central Banks and Monetary Policy**

S. Yanki Kalfa and Jaime Marquez*

*Forecasting FOMC Forecasts*

Steve Sharpe, Nitish Sinha*, and Christopher A. Hollrah

*What's the Story? A New Perspective on the Value of Economic Forecasts*

Peter Sullivan*

*Re-evaluating the Conduct of US Monetary Policy within the Context of Cointegration and Structural Change*
12:30 – 14:00  **Lunch and Poster Session**


Btissam El Bahraoui “Price Transmission in Phosphate Supply Chain. An Application of NARDL Model”

Jeyhun Mikayilov “Gasoline Demand in Saudi Arabia: Are the Price and Income Elasticities Constant?”

Mitra Devkota “Cointegration and Causality Between Export, Import, and the Exchange Rate: Evidence from Nepal”

Gbenga Ibikunle “A High Frequency Analysis of the Information Content of Trading Volume”

James Reade “Evaluating Strange Forecasts”

Michael Browne “The Dutch Disease and Monetary Policy”

Jim Forest “The Effect of Macroeconomic Announcements on Credit Markets: An Autometric General-to-Specific Analysis of the Greenspan Era”

14:00 – 15:00  **Session 3: Ana Timberlake Memorial Lecture**

Chairperson: Neil R. Ericsson

Introduction: David Corbett, Giovanni Urga, Frederick L. Joutz, Neil R. Ericsson

Sir David F. Hendry*

_Econometrics for Empirical Climate Modeling_

15:00 – 15:30  **Coffee/Tea Break**

15:30 – 16:00  **Session 4: Greenhouse Gas Emissions and the Economy**

Gail Cohen, Joao Jalles, Prakash Loungani*, and Ricardo Marto

_Emissions and Growth: Trends and Cycles in a Globalized World_

Bjørnar Karlsen Kivedal*

_Investigating the Environmental Kuznets Curve for the US through the I(2) Cointegration Model_
16:00 – 17:00  **Session 5: Forecasting**
Jennifer L. Castle, Jurgen A. Doornik*, and David F. Hendry

*Some Forecasting Principles from the M4 Competition*

18:30 onwards  **Reception and Conference Dinner**
Bindaas Cleveland Park Restaurant, 3309 Connecticut Avenue NW
(one block south of the Cleveland Park Metro station).

Please note: Prior registration to attend the conference dinner is required.
3.2. Friday, March 15, 2019

08:30 – 09:00 Coffee/Tea/Pastries

09:00 – 10:00 **Session 6: Empirical Model Selection**

Jennifer L. Castle* and Takamitsu Kurita

“Modelling and Forecasting the Dollar-Pound Exchange Rate in the Presence of Structural Breaks”

Ahmed Rostom*

“Money Demand in the Arab Republic of Egypt: A Vector Equilibrium Correction Model”

10:00 – 10:30 Coffee/Tea Break

10:30 – 12:30 **Session 7: Finance and Volatility Modelling**

Marc S. Paolella, Pawel Polak*, and Patrick S. Walker

*A Non-Elliptical Orthogonal GARCH Model for Portfolio Selection under Transaction Costs*

Susana Martins*

*Modelling Volatility Interactions in Multivariate GARCH Models with Multiplicative Decomposition*

Dobrislav Dobrev*, Derek Hansen, and Pawel J. Szerszen

*A Randomized Missing Data Approach to Robust Filtering with Applications to Economics and Finance*

Sebastien Laurent* and Rosnel Sessinou

*Estimation of Large Precision Matrices using Autometrics, Lasso and Shrinkage Methods, with an Application to Global Minimum-variance Portfolio*

12:30 – 14:00 **Lunch and Poster Session** (posters listed below)

Francesco Grigoli “Is Unemployment on Steroids in Advanced Economies?“

Robert A Yaffee “A Comparative Forecast Evaluation of the Trajectories of post-Chernobyl Nuclear Accident Psycho-social Sequelae”

Jean Christine Armas “Is Bank Lending Channel of Monetary Policy Transmission Evident in the Philippines? A Dynamic Panel Data Approach”

Hideaki Matsuoka “Debt Intolerance: Threshold of Level and Composition”

Pär Österholm “Is the US Phillips Curve Stable? Evidence from Bayesian VARs”

Suleiman Ally Kayita “Impact of Macroeconomic Variables on Unemployment in East African Countries”

Matthew Eboreime “Modeling the Asymmetrical Relationship between Government Expenditure and Revenue in Nigeria”

Friederike Langowski “Analyzing the Effect of Monetary Policy using Nonlinear Models”

14:00 – 15:00  Session 8: PhD Speed Session

Abdullahi Ahmed Mohammed
“Central Bank Bilateral Currency Swap and Trade Flows: An Implication for Renminbi Internationalization”

Advitha Arun
“Using Nighttime Lights to Measure Economic Growth: Bringing Venezuela to the Spotlight”

Amare Berhanu
“Economic Growth in Ethiopia and its Determinants: Lessons from South and East Asian Countries”

Phuong Van Nguyen
“Evaluating the Forecasting Accuracy of the Closed- and Open Economy Medium-sized DSGE Models”

Martin Rossi
“Network Interpretation for a Time-Varying Multi-Country Unobservable Components Model”

Remi Vives
“Whatever It Takes’ To Change Belief: Evidence from Twitter”
Sebastian Laumer “Government Spending and Heterogeneous Consumption Dynamics”

15:00 – 15:30  **Coffee/Tea Break**

15:30 – 16:30  **Session 9: Dynamic Factor Models**

Carlos Trucios, Joao H.G. Mazzeu, Mauricio Zevallos, Luiz K. Hotta, Pedro L. Valls Pereira*, and Marc Hallin

*Forecasting Conditional Covariance Matrices in High-dimensional Data using the General Dynamic Factor Model*

Eric Hillebrand, Jakob Guldbæk Mikkelsen, and Giovanni Urga*

*Foreign Exchange Rates and Macroeconomic Factors: Evidence from Time-varying Loadings*

16:30 - 17:30  **Session 10: Round Table with OxMetrics Developers**

Chairperson: Neil R. Ericsson

- Jurgen A. Doornik (University of Oxford)
- David F. Hendry (University of Oxford)
- Sébastien Laurent (Aix-Marseille Université)

17:30 – 17:40  **Closing Remarks (Conference organizers)**

18:30  **Conference Farewell Dinner (light buffet)**

Contact David Corbett or Timberlake Consultants for details (davidcorbett@timberlake.co.uk or at the conference registration desk).
4. Acknowledgements

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