3rd Long-Memory Symposium
CREATES, Aarhus University
26-28 June 2013

Wednesday - June 26, 2013

12:00-13:00  Lunch (Building K)

13:00-15:00  Session I (Session chair: Niels Haldrup)

  i.  Søren Johansen
      The role of initial values in nonstationary fractional time
      series models
      with Nielsen, M. Ø.

  ii. Federico Carlini
      On the identification of fractionally cointegrated VAR
      models with the F(d) condition
      with Santucci di Magistris, P.

  iii. Andreas N. Jensen
       A fast fractional difference algorithm
       with Nielsen, M. Ø.

15:00-15:30  Coffee break

15:30-17:30  Session II (Session chair: Paolo Santucci di Magistris)

  i.  Javier Hualde
      Conditional maximum likelihood estimation of fractional
      time series models with deterministic trends
      with Nielsen, M. Ø.

  ii.  Rolf Tschernig
       Fractionally Integrated VAR Models with a Fractional Lag
       Operator and Deterministic Trends: Finite Sample Identifi-
       cation and Two-step Estimation
       with Weber, E. and Weigand, R.

  iii.  Katarzyna Lasak
       Likelihood Inference for Fractional Systems
Thursday - June 27, 2013

09:00-10:20  Session III (Session chair: Daniela Osterrieder)
   i. Robert Taylor  
       Bootstrap Fractional Integration Tests in Heteroskedastic  
       ARFIMA Models  
       with Nielsen, M. Ø. and Cavaliere, G.
   ii. Uwe Hassler  
       Quantile Regression for Long Memory Testing: A Case of  
       Realized Volatility  
       with Rubia, A. and Rodrigues, P.

10:20-10:50  Coffee break

10:50-12:10  Session IV (Session chair: Morten Ø. Nielsen)
   i. Remigijus Leipus  
       Long memory and aggregation of autoregressive random  
       fields
   ii. Liudas Giraitis  
       Studentizing weighted sums of linear processes  
       with Dalla, V. and Koul, H.

12:10-13:15  Lunch (Building K)

13:15-14:35  Session V (Session chair: Paolo Santucci di Magistris)
   i. Rasmus Varneskov  
       The Information Content of Realized Volatility Forecasts  
       with Andersen, T. G., Frederiksen, P., and Nielsen, F. S.
   ii. James Davidson  
       Modelling the Interactions in paleoclimate data from Ice  
       cores

14:35-15:05  Coffee break

15:05-16:25  Session VI (Session chair: Niels Haldrup)
   i. Peter Robinson  
       Inference on Nonstationary Time Series with Moving Mean  
       with Gao, J.
   ii. Paolo Santucci di Magistris  
       Testing for shifts in a long memory framework: a state-  
       space approach  
       with Grassi, Stefano

17:00-18:45  Visit to AROS art museum (http://en.aros.dk/)

19:00  Dinner at Restaurant Miró (http://www.restaurant-miro.dk/forside.asp)
### Friday - June 28, 2013

**09:00-10:20  Session VII (Session chair: Morten Ø. Nielsen)**

1. Carlos Velasco  
   *Estimation of Fractionally Integrated Panels with Fixed Effects and Cross-Section Dependence*  
   with Ergemen, Y. E.

2. Matei Demetrescu  
   *Single-Equation Error-Correction Testing and Weak Exogeneity: The case of fractional cointegration*

**10:20-10:50  Coffee break**

**10:50-12:10  Session VIII (Session chair: Daniela Osterrieder)**

1. Peter Boswijk  
   *Inference on Cointegration Parameters in Vector Autoregressions with Non-Stationary Volatility*  
   with Cavaliere, G., Rahbek, A., and Taylor, R.

2. Philipp Sibbertsen  
   *Inference on the Long-Memory Properties of Time Series with Non-Stationary Volatility*  
   with Demetrescu, M.

**12:10  Lunch (Building L)**
### Participants (preliminary)

<table>
<thead>
<tr>
<th>Name</th>
<th>Institution</th>
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<tr>
<td>Anders Bredahl Kock</td>
<td>Aarhus University and CREATE Sciences</td>
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<td>Andreas Noack Jensen</td>
<td>University of Copenhagen</td>
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<td>Bent Jesper Christensen</td>
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<td>Carlos Velasco</td>
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Practical details

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Username: guest
Password: creates

Local transportation
Bus line 3A (Tilst Vestervej) goes directly to CREATEES every 10th minute from the city center. Enter the yellow city busses ("bybus" in Danish) through the rear or middle door and buy your ticket at the ticket machine. The fare for one bus ride (adult 16 years and older) to the university is DKK 20 (1-2 zones). Cash only!

Find the bus at Banegårdspladsen and get off the bus at the intersection Viborgvej/Vestre Ringgade. From here you enter the ECON department's buildings and find CREATEES in the M-building.

The bus route here:
http://goo.gl/maps/68UhE

Taxi
All taxis in Aarhus are metered and most taxis accept major credit cards. Tax and tips are included in the meter price. Taxis can be hired on the street or ordered by phone (no extra charge).

Aarhus Taxa: Tel. +45 89 484848

Approx. price from hotel to CREATEES is DKK 100.-
CREATES, building 2628 (M), 3rd floor
http://www.au.dk/om/organisation/find-au/bygningskort/?b=2628

Long Memory Symposium, building 2632 (L), 2nd floor

Lunch, building 2630 (K)