



Big Data in Financial Markets Programme

24-25 May 2018

Winstanley Lecture Theatre
Trinity College

Institute for
New Economic Thinking
 **UNIVERSITY OF
CAMBRIDGE**
FACULTY OF ECONOMICS



Thursday, 24th May 2018

9.30-10.00 Registration & Coffee

Session 1: Time Varying Volatility

10.00-10.30 Jesus Gonzalo, UC3M
Quantile Factor Models

10.30-11.00 Clifford Lam, LSE
Nonlinear Shrinkage of Eigenvalues in Integrated Volatility Matrix for High Frequency Data

11.00-11.30 Christian Hafner, UCL
Testing for Bubbles in Cryptocurrencies with Time-varying Volatility

11.30-12.00 Cathy Chen, Humboldt-Universität zu Berlin
Cryptocurrency-specific Lexicon and Sentiment Projection

12.00-12.30 George Kapetanios, Kings College, London
Choosing between Persistent and Stationary Volatility

12.30-13.30 Lunch

Session 2: Large Covariance Matrices

13.30-14.00 Michael Wolf, University of Zurich
Large Dynamic Covariance Matrices

14.00-14.30 Jia Chen, University of York
A New Semiparametric Estimation of Large Dynamic Covariance Matrix with Multiple Conditioning Variables

14.30-15.00 Marco Valerio Geraci, University of Cambridge
Measuring Interconnectedness with Bayesian TVP-VARs

15.00-15.30 Weining Wang, City University
High Dimensional Sparse Regression

15.30-16.00 Mingli Chen, University of Warwick
Quantile Graphic Models: Prediction and Conditional Independence with Applications to Systemic Risk

16.00-16.30 Coffee Break

Session 3: Time Varying Networks

16.30-17.00	Wolfgang Härdle, Humboldt-Universität zu Berlin Time-varying Network of the Limit Order Book
17.00-17.30	Koen Jochmans, University of Cambridge Fixed-effect Regressions on Network Data
17.30-18.00	Degui Li, York University Long-Range Dependent Curve Time Series
18.00-18.30	Seok Young Hong, University of Cambridge Nonparametric Estimation of Infinite Order Regression and its Application to the Risk-return Tradeoff
19.00	Dinner for invited speakers in the Private Supply Room, Trinity College

Friday, 25th May 2018

9.30-10.00 Coffee

Session 4: Forecasting and Model Selection

10.00-10.30	Hashem Pesaran, University of Southern California and Trinity College Forecasting in Linear High Dimensional Models Subject to Structural Breaks
10.30-11.00	Matteo Barigozzi, LSE Determining the Dimension of Factor Structures in Non-stationary Large Datasets
11.00-11.30	Lenka Zbonakova, Humboldt-Universität zu Berlin Penalized Adaptive Methods in Forecasting with Large Information Sets and Structure Change
11.30-12.00	Joseph Fisher, University of Cambridge Confidence and Prediction Intervals for Neural Networks
12.00-13.00	Lunch

Section 5: Factor Models for Stock Returns and Macro Data

- 13.00-13.30 Yuan Liao, University of Maryland
Uniform Inference for Conditional Factor Models with Instrumental and Idiosyncratic Betas
- 13.30-14.00 Gregory Connor, Maynooth University
Second-Order Factors in Asset Returns
- 14.00-14.30 Alexei Onatskiy, University of Cambridge
Spurious Factor Analysis

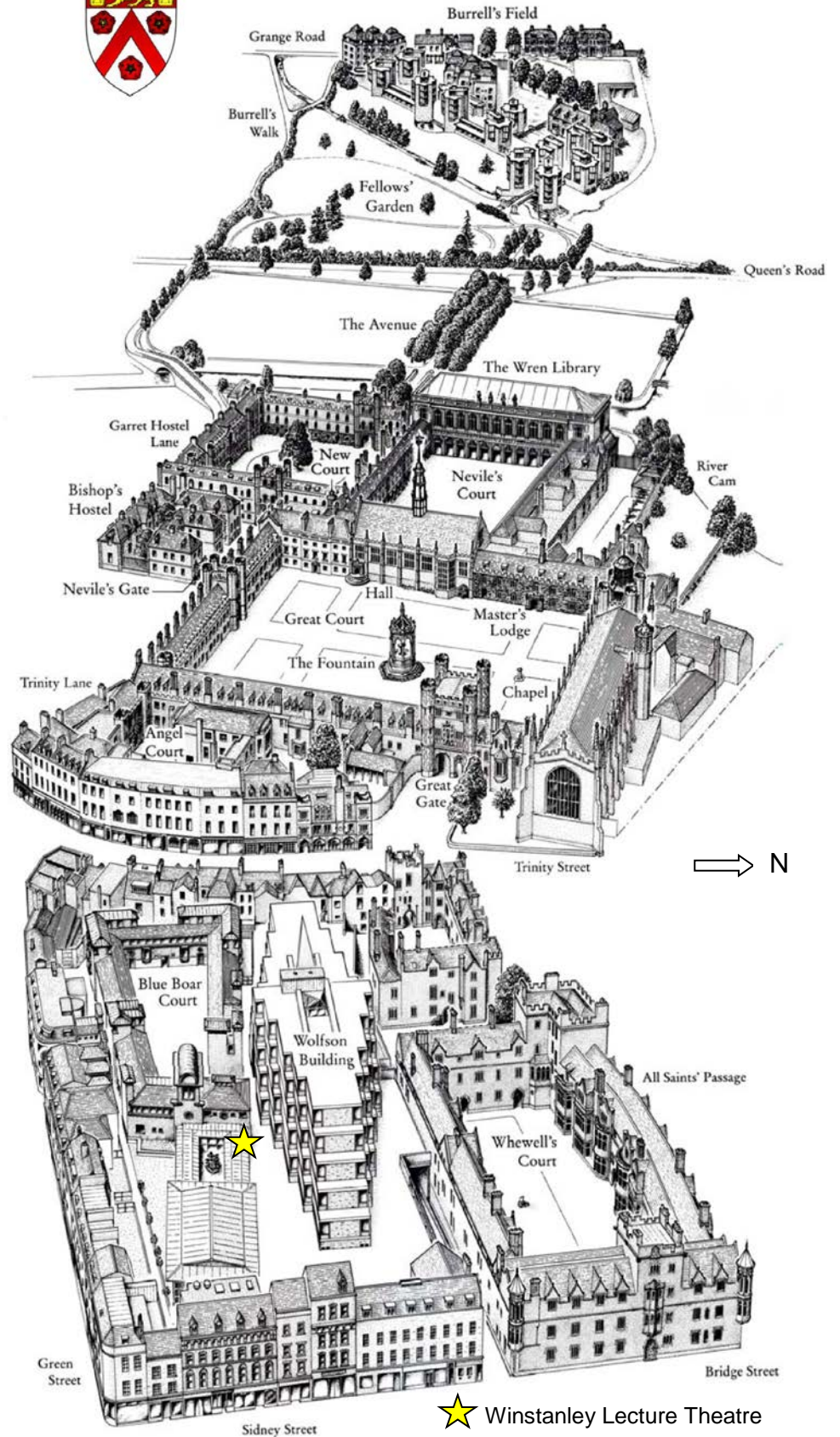
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Other Information

The Winstanley Lecture Theatre is a fully equipped audiovisual theatre, with seating for up to 150 people.

To reach it, turn into Whewell's Court from Trinity Street. Turn right immediately after the first arch and climb the stone stairs. At the top of the stairs, follow the path round the ziggurat-like Wolfson building, leaving it to your left. Then turn right into Blue Boar Court.



★ Winstanley Lecture Theatre