November 2014

Fabio Busetti

Banca d'Italia - Research Department
Via Nazionale 91, 00184 Rome – Italy
Email: fabio.busetti@bancaditalia.it
Homepage: http://www.fabiobusetti.altervista.org

CURRENT EMPLOYMENT

Bank of Italy, Senior economist in the Research Department
Head of Econometrics and Macroeconomic Forecasting Unit

ACTIVITIES AND AFFILIATIONS

- **Fellow** of the "Granger Centre for Time Series Econometrics" (University of Nottingham).
- **Member** of the Working Group on Forecasting of the European System of Central Banks.
- **Lecturer** for the M.Sc.-Ph.D courses of "Nonstationary Time Series" (2002, 2003, 2008), "Unobserved Components Models" (2004, 2007, 2009) at the University of Rome "Tor Vergata".
- **Visiting Scholar** at the Economics Department of the University of California, San Diego (2004-2005)
- **Referee** for the following reviews: *American Economic Review, Econometric Reviews, Econometric Theory, Econometrics Journal, Economica, Empirical Economics, European Economic Review, International Journal of Forecasting, Journal of Applied Econometrics, Journal of Applied Statistics, Journal of Business and Economic Statistics, Journal of Computational Statistics and Data Analysis, Journal of Econometrics, Journal of Economic Dynamics and Control, Journal of Financial Econometrics, Journal of Nonparametric Statistics, Journal of Statistical Planning and Inference, Journal of Time Series Analysis, Labour, Macroeconomic Dynamics, Oxford Bulletin of Economics and Statistics, Research in Economics, Review of Economics and Statistics, Scandinavian Journal of Statistics, Studies in Nonlinear Dynamics & Econometrics.*

EDUCATION

- **Ph.D. in Economics**
  London School of Economics
  Advisor: Prof. Andrew Harvey
- **M.Sc. in Econometrics and Mathematical Economics**
  London School of Economics
  Mark of Distinction
- **Laurea (cum laude) in Economics and Business**
  University of Torino, Italy

RESEARCH INTERESTS

- Nonstationary Time Series and Unobserved Component Models
- Structural Change, Time-varying Distributions and Copulas
- Macroeconomic and Time Series Forecasting

PUBLICATIONS

1. "Testing for the presence of a random walk in series with structural breaks" (joint with A. Harvey), *Journal of Time Series Analysis* (2001), 127-150.
2. "Testing for (common) stochastic trends in the presence of structural breaks", *Journal of Forecasting* (2002), 81-105.
3. "Variance shifts, structural breaks and stationarity tests" (joint with A.M.R. Taylor), *Journal of Business and Economic Statistics* 21 (2003), 510-531.
4. "Testing against stochastic trend and seasonality in the presence of unattended breaks and unit roots" (joint with A.M.R. Taylor), *Journal of Econometrics* 117 (2003), 21-53.
5. "Seasonality tests" (joint with A. Harvey), *Journal of Business and Economic Statistics* 21 (2003), 420-436.
6. "Further Comments on Stationarity Tests in Series with Structural Breaks at Unknown Points" (joint with A. Harvey), *Journal of Time Series Analysis* (2003), 137-140.
7. "Tests of stationarity against a change in persistence" (joint with A.M.R. Taylor), *Journal of Econometrics* 123 (2004), 33-66.
8. "Stationarity tests for irregularly spaced observations and the effects of sampling frequency on power" (joint with A.M.R. Taylor), *Econometric Theory* 21 (2005), 757-794.
9. "Preliminary data and econometric forecasting: an application with the Bank of Italy quarterly model", *Journal of Forecasting* 25 (2006), 1-23.
10. "Tests of seasonal integration and cointegration in multivariate unobserved component models", *Journal of Applied Econometrics* 21 (2006), 419-438.
11. "Convergence of prices and rates of inflation" (joint with A. Harvey, S. Fabiani), *Oxford Bulletin of Economics and Statistics* 68 (2006), 863-877.
12. "Inflation convergence and divergence within the European Monetary Union" (joint with A. Harvey, L. Forni, F. Venditti), *International Journal of Central Banking* 3 (2007), 95-121.
13. "Testing for trend" (joint with A. Harvey), *Econometric Theory* 24 (2008), 72-87.
14. "Initial conditions and stationarity tests", *Economics Letters* 105 (2009), 296-299.
15. "Tests of strict stationarity based on quantile indicators" (joint with A. Harvey), *Journal of Time Series Analysis* 31 (2010), 435-450.
16. "Bootstrap LR tests of stationarity, common trends and cointegration" (joint with S. Di Sanzo), *Journal of Statistical Computation and Simulation* (2011).
17. "When is a copula constant? A test for changing relationships" (joint with A. Harvey), *Journal of Financial Econometrics* 9 (2011), 106-131.
18. "Comparing forecast accuracy: a Monte Carlo investigation" (joint with J. Marcucci), *International Journal of Forecasting* 29 (2013), 13-27.
19. "On detecting end-of-sample instabilities", forthcoming in: Koopman S.J. and N. Shephard eds, *Unobserved Components and Time Series Econometrics*, Oxford University Press.

POLICY PAPERS

- "The Bank of Italy's quarterly model" (with A. Locarno and L. Monteforte), in G. Fagan and J. Morgan eds (2005), Econometric Models of the Euro-area Central Banks, Edwar Elgar, Cheltenham, UK.
- "The macroeconomic impact of the sovereign debt crisis: a counterfactual analysis for the Italian economy" (with P. Cova), Bank of Italy Occasional Papers n. 201 (2013).

WORKING PAPERS

- "Quantile aggregation of density forecasts", Bank of Italy Working Papers, n. 979.
- "The trend-cycle decomposition of output and the Phillips curve: Bayesian estimates for Italy" (joint with M. Caivano), Bank of Italy Working Papers, n. 941.
- "On detecting end-of-sample instabilities", Bank of Italy Working Papers, n. 881.
- "Comparing forecast accuracy for nested and non-nested econometric models" (joint with J. Marcucci and G. Veronese), Bank of Italy Working Papers, n. 723.
- "Tests of polynomial specification in semiparametric regression" (joint with C. Miani), manuscript.

CONFERENCE PRESENTATIONS

European Meeting of the Econometric Society (Santiago de Compostela 1999, Lausanne 2001, Stockholm 2003, Madrid 2004, Vienna 2006, Budapest 2007, Milan 2008, Barcelona 2009), International Conference on Panel Data (Geneva 2000), Far Eastern Meeting of the Econometric Society (Kobe 2001, Seoul 2004), International Conference on Modelling Structural Breaks, Long Memory and Stock Market Volatility (Cass Business School London 2002), International Symposium on Forecasting (Dublin 2002), EABCN Workshop on Understanding the Structure of the European Business Cycle (Milan 2002), ESF-EMM Conference on Econometric Methods for the Modelling of Nonstationary Data, Policy Analysis and Forecasting (Rome 2003), Oxmetrics User Conference (London 2004), NBER/NSF Time Series Conference (Heidelberg 2005), Conference on Empirical Econometric Methods applied to Business Cycles and Forecasting (Duke University 2007), Granger Centre Conference in Honour of Paul Newbold (Nottingham 2007), Conference in Honour of Andrew Harvey's 65 year (Oxford, 2012), Italian Congress of Econometrics and Empirical Economics (Rimini 2007, Salerno 2015), Rimini Time Series Workshop (2013).