

## **CURRICULUM VITAE of Luca Fanelli (January 2023)**

### **CONTACT INFORMATION**

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### **PERSONAL INFORMATION**

Born July 22, 1970 (Teramo); married, one son (born 2009).  
Citizenship: Italian

### **EDUCATION**

PhD in Statistical Sciences, dissertation in Econometrics, University of Bologna, 1998.  
B.S. in Statistics and Economics, University of Bologna, 1993.

### **MAIN RESEARCH INTERESTS**

Macroeconometrics (structural shocks identification in Vector Autoregressive models, identification through heteroscedasticity and through external instruments, identification and misspecification issues in DSGE models, determinacy and indeterminacy in Linear Rational Expectations models, the econometrics of Linear Rational Expectation models);  
Time Series Econometrics (inference in non-stationary models, speed of adjustment and half-life in dynamic systems);  
Empirical Macroeconomics (uncertainty shocks, impact and efficacy of monetary and fiscal policy, inflation dynamics in the NKPC, empirical evaluation of small-scale DSGE models, regional and international risk sharing, exchange rate international parities).

### **CURRENT AND PREVIOUS POSITIONS**

2018– present: Professor of Econometrics, Department of Economics, U-Bologna  
2014 –2018: Professor of Econometrics, Department of Statistical Sciences, U-Bologna  
2010–2013: Associate Professor of Econometrics, Department of Statistical Sciences, U-Bologna  
2001–2009: Assistant Professor of Econometrics, Department of Statistical Sciences, U-Bologna.

### **FELLOWSHIPS AND VISITING POSITIONS**

Visiting Associate Professor, Norwegian University of Science and Technology, February 2013;  
RCEA Fellow, 2016-2017;  
Research Fellowship, U-Bologna, 1998-2000;  
PhD visiting, University of Aarhus, Autumn 1996.

## **TEACHING AND PhD SUPERVISION**

Teacher of several academic courses (undergraduate, graduate, PhD) since 2001: “Structural Macroeconometrics”, “Applied Econometrics”, “Financial Econometrics”, “Topics in Advanced Econometrics”, etc.

Supervised more than 100 Master students in Econometrics and Financial Econometrics since 2001;  
PhD in Economics and Finance (U. St. Gallen), 2022, co-supervisor of Jeannine Polivska.

PhD in Economics (U-Bologna), supervised and co-supervised:

Antonio Marsi. Finalist of the ECB Young Economists’ competition 2020. Now Research Fellow, U-Bologna;  
Vanessa Gunnella. Now economist at the ECB.

PhD in Statistical Sciences (U-Bologna), supervised:

Giovanni Angelini, 2016. Now Associate Professor of Econometrics, U-Bologna;  
Silvia Emili, 2018. Now Junior Assistant Professor of Economics and Statistics, U-Bologna;  
Franco Mazzoni, 2014. Now Energy forecast specialist, Consorzio per le Risorse Energetiche S.C.p.A.

Opponent/Member Committee of the PhD defense of the following scholars:

Niels Framoze Moller (U-Copenhagen), 2009. Now research economist at the Danmarks Nationalbank;  
Tord Krogh (U-Oslo), 2014. Now senior adviser at Norges Bank;  
Gabriela Nodari (U-Padova), 2015. Now senior economist at the Reserve Bank of Australia;  
Paolo Bonomolo (U-Pavia), 2016. Now research economist at The Nederlandsche Bank;  
Jakko Nelimarkka (U-Helsinki), 2018 (pre-evaluation). Now economist in the Monetary Policy and Research Department of the Bank of Finland;  
Francesco Simone Lucidi (U. La Sapienza, Roma), 2019. Now Research Fellow at U. La Sapienza, Roma;  
Savi Virolainen (U-Helsinki), 2022, December 2022.

## **INSTITUTIONAL ROLES**

2022–: President elect Società Italiana di Econometria (SIde), period 2024-2025;  
2021- present Director of Organisational Unit Campus Rimini, Department of Economics, U-Bologna;  
2021-: Member of the Rimini Campus Council, U-Bologna;  
2021-: Member of School of Economics and Management Council, U-Bologna;  
2019– 2021: Faculty Committee Recruitment, Department of Economics, U-Bologna;  
2018– 2022: Member Faculty Committee, PhD in Economics, U-Bologna;  
2014–2018: Member Faculty Committee, PhD in Statistics, U-Bologna;  
2012 – 2017: Director of the Second Cycle Degree in Statistics, Financial and Actuarial Sciences, U-Bol;  
2015 – 2018: Member of the Council of the School in Economics, Management and Statistics, U-Bol.

## **AFFILIATIONS**

2022–: President elect Società Italiana di Econometria (SIde), period 2024-2025;  
2009– : Società Italiana di Econometria (SIde);  
2014– : International Association of Applied Econometrics (IAAE);  
1998– : Econometric Society (ES);  
2017– : American Economic Association (AEA);  
2002– : European Economic Association (EEA);  
2007– 2016: Società Italiana degli Economisti (SIE);  
2017–2018: Royal Economic Association (REA).

## **HIRING/PROMOTION COMMITTEES**

2016 –2018: Member of the Committee in charge for the National Scientific Qualification – Abilitazione Scientifica Nazionale (ASN) - in Econometrics (13/A5-SECS-P/05).  
Assistant professor: University of Lecce (RTD-B, 2022), University of Catania (RTD-B, 2022), University of Venice (RTD-A, 2022), University of Bologna (RTD-A-PON, 2022), University of Pavia (RTD-B, 2022), University of Torino (RTD-B, 2021), University of Lecce (RTD-A, 2020), University La Sapienza, Roma (RTD-A, 2019), University of Ancona (RTD-A, 2015), University of Verona (2006), University Roma, Tor Vergata (2005);  
Associate professor: University of Venezia (2020), University of Genova (2018), University of Lecce (2008);

Full professor: University of L'Aquila (2019), University of Venezia (2019), University of Varese (2017).

### **CONTRIBUTIONS to THE ITALIAN ECONOMETRIC ASSOCIATION (SIde) and former CIDE**

President elect Società Italiana di Econometria (SIde), period 2024-2025;

Member of SIde since 2009;

Member of the SIde Steering Committee, 2014-2018;

Supervisor of the Carlo Giannini Research Fellow in Econometrics, 2022-2024 (Luca Neri);

SIde Webinar series presentation, March 2021;

Member of the recruitment committee of the 2020 Carlo Giannini Research Fellow in Econometrics;

Organizer of the 3<sup>rd</sup> Italian Workshop of Econometrics and Empirical Economics (IWEEE 2022), Rimini, 20-21 January 2022;

Organizer of the 2<sup>nd</sup> ICEEE 2007 Conference, Rimini, 25-26 January 2007;

Program Committee Member (PCM) of the 10<sup>th</sup> Italian Congress of Econometrics and Empirical Economics (ICEEE 2021), Cagliari, May 2023;

PCM of the 9<sup>th</sup> ICEEE 2021 Conference, Cagliari, January 2021;

PCM of the 2<sup>nd</sup> IWEEE 2020, Venezia 23-24, January 2019;

PCM of the 8<sup>th</sup> ICEEE 2019 Conference, Lecce 24-26, January 2019;

PCM of the 7<sup>th</sup> ICEEE 2017 Conference, Messina 25-26 January 2017;

PCM of the 6<sup>th</sup> ICEEE 2015 Conference, Salerno 21-23 January 2015;

PCM of the 2<sup>nd</sup> ICEEE 2007, Conference, Rimini Campus, 25-26 January 2007;

Discussant of PhD student papers at the Workshop for PhD students in Econometrics and Empirical Economics (WEEE), Bertinoro 2022;

Discussant of PhD student papers at the the WEEE Bertinoro, 2020;

Discussant of PhD student papers at the WEEE Bertinoro, 2013;

Teacher of several PhD CIDE courses of Time Series Econometrics since 2003.

### **OVERALL CITATIONS, AWARDS AND RECOGNITIONS (January 2023)**

Google Scholar: h-index 16; i10-index 20;

Scopus: h-index 8;

CitEc: h-index 10; i10-index 10.

RePEC: top 12%, top 8% in Italy, top 9% European Union, top 10% Europe

Research Gate (RG), Research Interest Score 218.6 (higher than 77% of Research Gate members.)

Journal of Applied Econometrics Distinguished Author, 2020;

Abilitazione Scientifica Nazionale (ASN)

National Scientific Qualification – Abilitazione Scientifica Nazionale (ASN) in Political Economy, 13/A2-SECS-P/02 (achieved in 2014).

### **MAIN WORKSHOP AND CONFERENCE ORGANIZING AND CONFERENCE PARTICIPATION**

Co-organizer of the 3<sup>rd</sup> SIde Italian Workshop of Econometrics and Empirical Economics (IWEEE 2022), Rimini, 20-21 January 2022;

Co-organizer of the EC<sup>2</sup> 2018 Conference: “Big Data Econometrics with Applications”, Rome, December 2018

Co-organizer of the 2<sup>nd</sup> SIde International Conference of Econometrics and Empirical Economics (ICEEE), 2007, Rimini, 25-26 January 2007.

Program Committee Member of the SIde Conferences listed in the section above;

IAAE Annual Conferences: 2022 (London), 2021 (Rotterdam/online), 2019 (Nicosia), 2018 (Montréal), 2016 (Milano-Bicocca), 2015 (Tessaloniki);

ICEEE Conferences: 2019 (Lecce), 2017 (Messina), 2015 (Salerno), 2013 (Genova), 2011 (Pisa), 2009 (Ancona), 2007 (Rimini), 2005 (Venice);

EC<sup>2</sup> Conferences: 2019 (Oxford, “Identification in Macroeconomics”);

CFE Conferences; 2022 (London), 2018 (Pisa), 2017 (London), 2016 (Seville), 2015 (London), 2014 (Pisa), 2013 (London), 2011 (London);

Econometric Society Conferences: 2021 (Esem, Copenhagen/online), 2020 (World Congress, online), 2016 (Esem, Geneva), 2014 (Esem, Toulouse), 2012 (Esem, Malaga), 2009 (Esem, Barcelona), 2008 (Esem, Milano-

Bocconi), 2007 (Esem. Budapest), 2006 (Esem, Vienna), 2003 (Esem, Stockholm), 2001 (Esem, Lausanne), 1999 (Esem, Santiago de Compostela), 1998 (Esem, Berlin).

Carlo Giannini Conferences: 2012 (Bank of Italy), 2014 (U-Pavia).

2nd Tinbergen Institute Conference, 2007: 20 Years of Cointegration: Theory and Practice in Prospect and Retrospect.

### **INVITED RESEARCH SEMINARS (2010-)**

2022: Granger centre, U-Nottingham;

2021: SIeE Webinar series March 2021;

2020: Durham University; Heriott-Watt University;

2015: Bank of Italy;

2014: ISPRA, Varese;

2011: EIEF Rome & U-TorVergata;

2010: U-Maastricht.

### **EDITORIAL DUTIES**

Referee for: Quantitative Economics, Review of Economics and Statistics, Journal of Econometrics, Econometric Theory, Journal of Monetary Economics, Journal of Applied Econometrics, Journal of Economic Dynamics and Control, Oxford Bulletin of Economics and Statistics, Macroeconomic Dynamics, International Journal of Central Banking, Empirical Economics, Journal of Macroeconomics, Journal of Economic Surveys, Econometrics & Statistics, Journal of the Royal Statistical Society, Series-A, Computational Statistics & Data Analysis, Economic Modelling, Economic Inquiry, Economic Letters, Journal of Statistical Planning and Inference, Journal of Statistical Planning and Inference, Canadian Journal of Statistics, Rivista Italiana degli Economisti, Statistical Methods & Applications, Economics Bulletin, Statistica, Journal of African Business, Psychological Methods.

### **REFERRED PUBLICATIONS**

1. Fanelli, L. (with A. Marsi), Sovereign spreads and unconventional monetary policy in the Euro Area: A tale of three shocks, EUROPEAN ECONOMIC REVIEW, Vol. 150
2. Fanelli, L. (with G. Angelini, G. Caggiano, E. Castelnuovo), 2022, Are fiscal multipliers estimated with proxy-SVAR robust? OXFORD BULLETIN OF ECONOMICS AND STATISTICS, forthcoming, doi: 10.1111/obes.12521.
3. Fanelli, L. (with G. Angelini and G. Cavaliere), 2022, Bootstrap inference and diagnostics in state space models: With applications to dynamic macro models, JOURNAL OF APPLIED ECONOMETRICS 37, 3-22.
4. Fanelli, L. (with G. Angelini), 2019, Exogenous uncertainty and the identification of structural vector autoregressions with external instruments, JOURNAL OF APPLIED ECONOMETRICS 34(6) 951-971.
5. Fanelli, L. (with G. Angelini, E. Bacchiocchi, and G. Caggiano), 2019, Uncertainty across volatility regimes, JOURNAL OF APPLIED ECONOMETRICS 34(3), 437-455.
6. Fanelli, L. (with E. Bacchiocchi and E. Castelnuovo), 2018, Gimme a Break! Identification and estimation of the macroeconomic effects of monetary policy shocks in the United States, MACROECONOMIC DYNAMICS 22, 1613-1651.
7. Fanelli, L. (with G. Cavaliere and L. De Angelis), 2018, Co-integration rank determination in partial systems using information criteria, OXFORD BULLETIN OF ECONOMICS AND STATISTICS 80, 65 – 89.
8. Fanelli, L. (with M. Sorge), 2017, Indeterminate forecast accuracy under indeterminacy, JOURNAL OF MACROECONOMICS 53, 57-70.
9. Fanelli, L. (with G. Angelini), Misspecification and expectations correction in New Keynesian DSGE models, OXFORD BULLETIN OF ECONOMICS AND STATISTICS 78, 623 – 649.
10. Fanelli, L. (with E. Castelnuovo), 2015, Monetary policy indeterminacy and identification failure in the U.S.: results from a robust test, JOURNAL OF APPLIED ECONOMETRICS 30, 857-1010.
11. Fanelli, L. (with G. Bardsen), 2015, Frequentist evaluation of small DSGE models, JOURNAL OF BUSINESS AND ECONOMIC STATISTICS 33, 3017-322.
12. Fanelli, L. 2012, Determinacy, indeterminacy and dynamic misspecification in Linear Rational Expectations models, JOURNAL OF ECONOMETRICS 170, 153-163.

13. Fanelli, L. (with G. Palomba), 2011, Simulation-based tests of forward-looking models under VAR learning dynamics *JOURNAL OF APPLIED ECONOMETRICS* 26, 762-782.
14. Fanelli, L. (with P. Paruolo), 2010, Speed of adjustment in cointegrated systems, *JOURNAL OF ECONOMETRICS* 158, 130-141.
15. Fanelli, L. (with G. Cavaliere and P. Paruolo), Test for cointegration rank and choice of the alternative, *STATISTICAL METHODS AND APPLICATIONS* 18, 169-191.
16. Fanelli, L. (with G. Cavaliere and A. Gardini), 2009, Consumption risk sharing and adjustment costs, *ECONOMICS BULLETIN* 29(2), 1128-1137.
17. Fanelli, L. (with G. Cavaliere and A. Gardini), 2008, International dynamic risk sharing, *JOURNAL OF APPLIED ECONOMETRICS* 23, 1-16.
18. Fanelli, L., 2008, Evaluation of the New Keynesian Phillips Curve under VAR-based learning, *ECONOMICS* 2, 2-25.
19. Fanelli, L., 2007, Present value relations, Granger noncausality and VAR stability, *ECONOMETRIC THEORY* 23(6), 1254-1260.
20. Fanelli, L. 2006, Multi-equational linear quadratic adjustment cost models with rational expectations and cointegration, *JOURNAL OF ECONOMIC DYNAMICS AND CONTROL* 30, 445-456.
21. Fanelli, L. 2006, Dynamic adjustment cost models with forward-looking behaviour, *ECONOMETRICS JOURNAL* 9, 23-47.
22. Fanelli, L. (with E. Bacchiocchi), 2005, Testing the purchasing power parity through I(2) cointegration techniques, *JOURNAL OF APPLIED ECONOMETRICS* 20, 749-770.
23. Fanelli, L. (with G. Cavaliere and A. Gardini), 2005, Risk sharing, avversione al rischio e stabilizzazione delle economie regionali in Italia, *RIVISTA DI POLITICA ECONOMICA*, maggio-giugno, 3-50.
24. Fanelli, L. (with G. Cavaliere and A. Gardini), 2005, Regional consumption dynamics and risk sharing in Italy, *INTERNATIONAL REVIEW OF ECONOMICS AND FINANCE* 15, 525-542.
25. Fanelli, L. (with P. Paruolo), New evidence on the transmission mechanisms of monetary policy in Italy before stage III of European Monetary Union; in (ed.s) *Convegno Banca d'Italia – CIDE, Ricerche quantitative <per la politica economica 603-653, Roma: Banca d'Italia, Perugia 15-18 dicembre 1999.*
26. Fanelli L. (with M. Mazzocchi), 2002, A cointegrated VECM demand system for meat in Italy, *APPLIED ECONOMICS* 34, 1593-1605.
27. Fanelli, L., 2002, A new approach for estimating and testing the Linear Quadratic Adjustment Cost model under rational expectations and I(1) variables, *JOURNAL OF ECONOMIC DYNAMICS AND CONTROL* 26, 117-139.

## **BOOKS**

Econometria 2000, Vol. 1 and Vol. 2 (joint with G.Cavaliere, M.Costa, A.Gardini, P.Paruolo). Franco Angeli

## **PAPERS UNDER REVIEW**

- An identification and testing strategy for Proxy-SVARs with weak proxies (joint with Giovanni Angelini and Giuseppe Cavaliere), arXiv:2210.04523, review requested by *JOURNAL OF ECONOMETRICS*
- Is time an illusion? A bootstrap Likelihood Ratio approach to testing shock transmission delays in DSGE models (joint with Giovanni Angelini and Marco Sorge), CSEF Working Paper no. 653, SUBMITTED

## **WORKING PAPERS IN PROGRESS**

- Testing instrument validity in proxy-SVARs (joint with Giovanni Angelini, Giuseppe Cavaliere);
- Proxy-SVARs across volatility regimes

## **FUNDED AN SUBMITTED PROJECTS IN THE LAST YEARS**

- Italian Ministry of University: National PRIN project: “Hi-Di NET: Econometric Analysis of High Dimensional Models with Network Structures in Macroeconomics and Finance”, 2017-2020, Bologna research unit, grant amount 1196027 euro;
- Italian Ministry of Education, University and Research: National PRIN project “Multivariate Statistical Models for Risk Management”, 2013-2015, Bologna research unit, grant amount 112 000,00 euro;

Italian Ministry of Education, University and Research: National PRIN project “Time-varying volatility, persistence and structural breaks in macroeconomic and financial fluctuations: new paradigms for the econometric analysis of time series”, 2009-2010, Bologna research unit, grant amount 14 000 euro