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Highligths

16th Public Finance Workshop on "Public Finances Today: Lessons Learned and Challenges Ahead"

(Perugia, 3-5 April 2014)

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rganised by the Public Finance Division of the Directorate General for Economics, Statistics and Research of the Bank of Italy, the Workshop brought together experts from central banks, finance ministries, international and governmental institutions and universities to provide an overview on how different countries have addressed the consequences of the crisis for public finances. There were three sessions. The first focused on the right tax and spending policies to respond to the new context created by the global crisis. The second session was dedicated to an evaluation of the budgetary policies adopted in recent years. The last session focused on potential changes in European institutions or budgetary rules. The Workshop ended with a panel discussion opened by three keynote speakers: Marco Buti (European Commission), Daniele Franco (Ragioniere Generale dello Stato) and Karsten Wendorff (Deutsche Bundesbank).

Conference on "The Interbank Market and the Financial Crisis"

(Rome, 11 June 2014)

n 11 June 2014 the Bank of Italy hosted the conference "The Interbank Market and the Financial Crisis", at which papers by Bank of Italy economists were presented for discussion by researchers from several European universities and institutions. The conference covered a wide range of issues relating to the interbank market's structure, functioning and risks. Special attention was devoted to the consequences of the crisis and to empirical analysis of the Italian market.

The conference programme is available on the Bank of Italy's internet site.

Forthcoming events

Third "Rome Junior Conference on Macroeconomics"

n 12-13 June 2014 the Einaudi Institute for Economics and Finance host the third "Rome Junior Conference on Macroeconomics", bringing together junior "high-flier" economists from around the world with a strong interest in Macroeconomics.

The conference programme is available <u>here</u>.

Conference on "Social Capital, the Economy, and Economic Policy"

(Rome, 27 June 2014)

The Bank of Italy will host the conference "Social Capital, the Economy, and Economic Policy", presenting results of a research project of the Bank. The conference will cover a wide range of issues relating to the measurement of social capital, the analysis of its determinants, its consequences on growth, public policies and credit markets. The final roundtable, chaired by Deputy Governor Luigi Federico Signorini, will see the participation of Emanuele Felice (Autonomous University of Barcelona), Luigi Guiso (Einaudi Institute for Economics and Finance) and Carlo Trigilia (University of Florence) and will focus on the interactions between public policies and social capital.

4th Workshop on "New Developments in Econometrics and Time Series" and Workshop on "Dynamic Factor Models and Structural VAR Analysis", in honour of Marco Lippi on the occasion of his 70th birthday

(Rome, 11-13 September 2014)

The Einaudi Institute for Economics and Finance (EIEF), the Bank of Italy, the Collaborative Research Centre "Statistical Modelling of Nonlinear Dynamic Processes" (SFB 823) and the Deutsche Forschungsgemeinschaft (DFG) announce two international workshops, to be held in Rome September 11-13, 2014, at EIEF's premises. The first workshop (September 11-12) will be on "New Developments in Econometrics and Time Series"; the second (September 13), on "Dynamic Factor Models and Structural VAR Analysis", is in celebration of Marco Lippi's 70th birthday. The aim is to bring together internationally renowned experts in these areas and SFB 823 researchers to review recent developments and promote scientific exchange.

The first workshop is in part a continuation of the successful series of "Brussels-Waseda Seminars on Time Series and Financial Statistics".

The workshop on Dynamic Factor Models and Structural VAR Analysis is devoted to an area in which Marco Lippi has made substantial contributions. Both theoretical and applied issues will be presented, with special emphasis on macroeconomic and policy applications.

Further information is available <u>here</u>.

Annual European Conference on Household Finance

(Stockholm, 12-13 September 2014)

EIEF, the Center on Sustainable Architecture for Finance (SAFE) at Goethe University Frankfurt, HEC Paris and the Swedish House of Finance (SHoF) are organising the annual European Conference on Household Finance, which will take place on 12-13 September at the University of Stockholm.

Further information is available here.

Forthcoming events

On 2-3 October, EIEF will host the 10th Annual Central Bank Workshop on the Microstructure of Financial Markets

(Rome, 2-3 October 2014)

The workshop is the tenth in a series of annual workshops that give researchers, policy-makers and practitioners the opportunity to discuss theoretical work, empirical findings and policy implications related to the microstructure of financial markets.

Further information is available here.

17th Central Bank Macroeconomic Modelling Workshop on "New Perspectives on Models for Policy Analysis"

(Rome, 20-21 October 2014)

The Bank of Italy is hosting the annual edition of the "Central Bank Macroeconomic Modelling Workshop". The workshop is the 17th of a series of workshops that give policy-makers and academics the opportunity to discuss critical issues relating to the class of models currently used for policy analysis. This year's edition is entitled "New Perspectives on Models for Policy Analysis" and focuses on the need to enrich structural models to account in particular for the (possibly nonlinear) interaction between the financial sector and the real economy, in closed and open economies, under low or high uncertainty and systemic risk. The workshop will be held at the Bank of Italy's headquarters in Rome, on 20-21 October 2014. The submission deadline is July 14, 2014.

The call for papers is available <u>here</u>.

SEMINARS AT THE BANK OF ITALY

SEMINARS AT EIEF

Latest working papers

No. 963: Technical progress, retraining cost and early retirement

(June 2014)

Lorenzo Burlon and Montserrat Vilalta-Bufí

Technological progress affects early retirement in two opposing ways. On the one hand, it increases real wages and thus produces an incentive to postpone retirement. On the other hand, it erodes workers' skills, making early retirement more likely. Using the Health and Retirement Study surveys, we re-examine the effect of technical progress on early retirement, finding that when the technical change is small the erosion effect dominates, but when it is large the wage effect dominates. Our results imply that retraining cost is a strongly concave function with respect to technical progress.

Full text (pdf)

No. 962: Cooperative R&D networks among firms and public research institutions (June 2014)

Marco Marinucci

This paper provides theoretical background to the increasing R&D cooperation among firms and public research institutions. We find that R&D spillovers may impede cooperation among firms or research institutions even when the cost of forming a link is negligible. Further, the presence of heterogeneous players results in different concepts of network regularity but also increases the number of possible pairwise stable networks. Consequently, stronger concepts of stability are needed to study networks in which players are not homogeneous.

Full text (pdf)

No. 961: Public expenditure distribution, voting, and growth (April 2014)

Lorenzo Burlon

In this paper we study why the misallocation of resources across different productive sectors tends to persist over time. To this end we propose a general equilibrium model that delivers two structural relations. On the one hand, the public expenditure distribution influences the future sectoral composition of the economy; on the other, the distribution of vested interests across sectors

determines public policy decisions. The model predicts that different initial sectoral compositions entail different future streams of public expenditure and therefore different development paths.

Full text (pdf)

No. 960: The impact of R&D subsidies on firm innovation (April 2014)

Raffaello Bronzini and Paolo Piselli

This paper evaluates the impact of an R&D subsidy program implemented in a region of northern Italy on innovation by beneficiary firms. In order to verify whether the subsidies enabled firms to increase patenting activity, we exploit the mechanism used to allot the funds. Since only projects that scored above a certain threshold received the subsidy, we use a sharp regression discontinuity design to compare the number of patent applications, and the probability of submitting one, of subsidized firms with those of unsubsidized firms close to the cut-off. We find that the program had a significant impact on the number of patents, more markedly in the case of smaller firms. Our results show that the program was also successful in increasing the probability of applying for a patent, but only in the case of smaller firms.

Full text (pdf)

No. 959: A tale of an unwanted outcome: transfers and local endowments of trust and cooperation

(April 2014)

Antonio Accetturo, Guido de Blasio and Lorenzo Ricci

Transfers can do good; however, they can also result in massive failures. This paper presents a model that highlights the ambiguous nature of the impact of transfers on local endowments of social capital. It then describes an empirical investigation that illustrates that the receipt of EU structural funds causes a deterioration of the endowments of trust and cooperation in the subsidized regions.

Full text (pdf)

Latest working papers

No. 958: The intergenerational transmission of reading: is a good example the best sermon? (April 2014)

Anna Laura Mancini, Chiara Monfardini and Silvia Pasqua

Use Survey to analyse the intergenerational transmission of reading habits. This can be explained by both cultural and educational transfers from parents to children and by imitative behaviour. Imitation is of particular interest, since it suggests the direct influence parents can have on a child's preference and habit formation, and opens the way for active policies promoting good parenting behaviour. We investigate the imitative behaviour of children using a household fixed-effects model, where we identify the impact of the parents' role by exploiting the different exposure of siblings to parents' example within the same household. We find robust evidence on the existence of an imitation effect: on the day of the survey children are more likely to read after seeing either the mother or the father reading. Full text (pdf)

No. 957: Are the log-returns of Italian open-end mutual funds normally distributed? A risk assessment perspective (April 2014)

Michele Leonardo Bianchi

In this paper we conduct an empirical analysis of daily log-returns of Italian open-end mutual funds and their respective benchmarks in the period from February 2007 to June 2013. First, we estimate the classical normal-based model on the log-returns of a large set of funds. Then we compare it with three models allowing for asymmetry and heavy tails. We empirically assess that both the value at risk and the average value at risk are model-dependent and we show that the difference between models should be taken into consideration in the evaluation of risk measures. Full text (pdf)

Other recent working papers

March 2014

- No. 956: Political selection in the skilled city *Antonio Accetturo*
- No. 955: My parents taught me. Evidence on the family transmission of values Giuseppe Albanese, Guido de Blasio and Paolo Sestito
- No. 954: Two EGARCH models and one fat tail *Michele Caivano and Andrew Harvey*
- No. 953: The impact of local minimum wages on employment: evidence from Italy in the 1950s

 Guido de Blasio and Samuel Poy

February 2014

- No. 952: School cheating and social capital *Marco Paccagnella and Paolo Sestito*
- No. 951: On bank credit risk: systemic or bank -specific? Evidence from the US and UK *Junye Li and Gabriele Zinna*
- No. 950: The cost of firms' debt financing and the global financial crisis

 Daniele Pianeselli and Andrea Zaghini

Latest occasional papers

No. 219: The Italian system of public research (April 2014)

Pasqualino Montanaro and Roberto Torrini

I nvestment in public research in Italy is below ■ the European average as a percentage of GDP. Nevertheless, in relation to expenditure and the number of researchers, the output is high, and the quality of research, conducted in universities and research organizations, is close to that of such countries as France, albeit with lags in the most advanced levels. The Italian system, highly diversified and fragmented in its actors and funding sources, suffers from a scant capacity to apply research findings and to collaborate with firms, which in their turn spend little on research and have problems in linking their own research activity to the inputs supplied by public research entities. The system also suffers from the lack of a comprehensive strategy that sets objectives, designs missions and organizational frameworks for public research entities consistently with those objectives, and determines the necessary resources. The much-needed relaunching of Italy's innovative capacity cannot be achieved without adequate financing and efficient governance of the public research system.

No. 218: The quality of Italian education: a comparison between the international and the national

assessments (April 2014)

Full text (pdf) in Italian only

Pasqualino Montanaro and Paolo Sestito

This work verifies the consistency of the results of two surveys of Italian students' proficiency: the OECD's Programme for International Student Assessment (PISA) and Italy's national assessment (Invalsi), both conducted in 2012. Focusing especially on the common part of the reference student population (15-year-olds in the second year of high school), the two surveys offer evidence of a similar pattern of achievement differentials in Italy both in relation to different family backgrounds and at the geographical level. The results are also consistent with regard to the overall variance of the scores, although some problems arise in the Invalsi national assessment owing to a significant incidence of cheating and imperfect correction for it, which generates further variability of scores. The two surveys also

provide similar results at the level of both individual students and schools. These findings are a good starting point for the joint use and redesigning of the two surveys; in particular, they suggests the advisability of designing ex ante mechanisms for anchoring the Invalsi scores in the metrics provided by PISA, with the indubitable advantage of permitting comparisons across time and with other OECD countries.

Full text (pdf) in Italian only

No. 217: An indicator of systemic liquidity risk in the Italian financial markets (April 2014)

Eleonora Iachini and Stefano Nobili

This paper introduces a coincident indicator of systemic liquidity risk in the Italian financial markets. In order to take account of the systemic dimension of liquidity stress, standard portfolio theory is used. Three sub-indices, that reflect liquidity stress in specific market segments, are aggregated in the systemic liquidity risk indicator in the same way as individual risks are aggregated in order to quantify overall portfolio risk. The aggregation takes account of the time-varying crosscorrelations between the sub-indices, using a multivariate GARCH approach. This is able to capture abrupt changes in the correlations and makes it possible for the indicator to identify systemic liquidity events precisely. We evaluate the indicator on its ability to match the results of a survey conducted among financial market experts to determine the most liquidity stressful events for the Italian financial markets. The results show that the systemic liquidity risk indicator accurately identifies events characterized by high systemic risk, while not exaggerating the level of stress during calm periods.

Full text (pdf)

No. 216: Business incubators in Italy (April 2014)

Marta Auricchio, Marco Cantamessa, Alessandra Colombelli, Roberto Cullino, Andrea Orame and Emilio Paolucci

The Italian economy has suffered from structural problems for the last fifteen years, which have weakened its competitiveness. The innovation gap, by international standards, is one of those problems. Business incubators are one of the solutions proposed in the economic literature

Latest occasional papers

and put into practice in many countries in order to increase the birth and survival rates of extremely innovative firms. With the help of an empirical survey of a highly representative sample of Italian business incubators and a significant subset of incubated start-ups, this paper draws an institutional and functional map of business incubators in Italy. Italian incubators are mostly small and heavily dependent on public funding. They mainly provide logistical services, less frequently higher value added ones like consulting and networking. According to the firms interviewed, the role played by incubators is on average useful but not essential for the success of the start-up.

Full text (pdf) in Italian only

No. 215: How to measure the unsecured money market? The Eurosystem's implementation and validation using TARGET2 data (April 2014)

Luca Arciero, Ronald Heijmans, Richard Heuver, Marco Massarenti, Cristina Picillo and Francesco Vacirca

This paper develops a methodology, based on Furfine (1999), for identifying unsecured interbank money market loans from the

transaction data of the most important euro payment processing system TARGET2, for maturities ranging from one day (overnight) up to three months. The implementation has been verified with (i) interbank money market transactions executed on the e-MID Italian electronic trading platform and (ii) aggregated reporting by the EONIA panel banks. The Type2 (false negative) error for the best performing algorithm setup is 0.92%. We find aggregated interest rates very close to the EONIA but observe a high degree of heterogeneity across countries and market participants. The different stages of the global financial crisis and of the sovereign debt crises are clearly revealed in the interbank money market by significant drops in turnover. The results focus on three levels: euro-area, country group and country (Italy and the Netherlands). Full text (pdf)

Other recent occasional papers

March 2014

No. 214: Firms' energy costs and competitiveness in Italy

Ivan Faiella and Alessandro Mistretta

January 2013

No. 213: The negative feedback loop between banks and sovereigns Paolo Angelini, Giuseppe Grande and Fabio Panetta

Notes on Financial Stability and Supervision

A new series published at irregular intervals, presenting concise analyses on issues of relevance to the stability of the financial system.

No. 1: The use of tax law from a macroprudential perspective: the impact of some recent tax measures on procyclicality and banks' stability (April 2014)

Alessio De Vincenzo and Giacomo Ricotti

A number of recent changes to Italian tax law have important implications for financial stability. The taxation of banks' loan losses has been revised, attenuating its procyclicality, encouraging the adoption of more prudential loan valuation policies and contributing to the transparency of banks' balance sheet. For all firms,

financial and non-financial alike, the allowance for corporate equity (ACE) system, which reduces the penalization of equity with respect to debt financing, has been reinforced, encouraging capital strengthening. Lastly, changes to the taxation of hybrid capital fund-raising have removed the impediments to issuing subordinated securities.

Full text (pdf)

Selection of Journal articles

and books by Bank of Italy staff

Authors' names in boldface: Bank of Italy

Full list since 1990

Forthcoming

- Accetturo A., A. Dalmazzo and G. de Blasio, "Skill Polarization in Local Labor Markets under Share-Altering Technical Change", Journal of Regional Science.
- Barbiellini Amidei, F. and C. Giordano, The redesign of the bank-industry-financial market ties in the U.S Glass-Steagall and the 1936 Italian Banking Acts, in P. Clement, James, H., Van der Wee, H. (eds.), Financial Innovation, Regulation and Crises in History, London, Pickering & Chatto Publishers
- Barigozzi M., **A. Conti** and M. Luciani, "Do Euro Area Countries Respond Asymmetrically to the Common Monetary Policy?", *Oxford Bulletin of Economics and Statistics*.
- Brandolini A., "The Big Chill. Italian Family Budgets after the Great Recession", in C. Fusaro and A. Kreppel (eds.), *Italian Politics 2013*, New York, Berghahn.

- **Bronzini R.** and **E. Iachini**, "Are Incentives for R&D Effective? Evidence from a Regression Discontinuity Approach", *American Economic Journal : Economic Policy*. (WP No. 791)
- **Bulligan G.**, M. Marcellino and **F. Venditti**, "Forecasting Economic Activity with Targeted Predictors", *International Journal of Forecasting*.
- **D'Amuri F.** and G. Peri, "Immigration, Jobs and Employment Protection: Evidence from Europe before and during the Great Recession", *Journal of the European Economic Association*.

 (WP No. 886)
- Gambacorta L. and **P. E. Mistrulli**, "Bank Heterogeneity and Interest Rate Setting: What Lessons have we Learned since Lehman Brothers?", *Journal of Money, Credit and Banking*. (WP No. 829)
- Gambacorta L. and **F. M. Signoretti**, "Should Monetary Policy Lean Against the Wind? An Analysis Based on a DSGE Model with Banking", *Journal of Economic Dynamics and Control*. (WP No. 921)

- **Gobbi, G.** and **E. Sette**, "Do Firms Benefit from Concentrating their Borrowing? Evidence from the Great Recession", *Review of Finance*.
- Marconi D. and F. Sanna-Randaccio, "The Clean development Mechanism and Technology Transfer to China", in R. van Tulder et al. (eds.), Progress in International Business Research; Vol 8; International Business and Sustainable Development. Emerald Group Publishing Limited. (OP No. 129)
- **Taboga M.**, "The Riskiness of Corporate Bonds", *Journal of Money, Credit and Banking*. (WP No. 730)

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- **Accetturo A., F. Manaresi, S. Mocetti** and **E. Olivieri**, "Don't Stand So Close to Me: The
 Urban Impact of Immigration", *Regional Science*and Urban Economics, v. 45, pp. 45-56.
- **Albertazzi U.** and **M. Bottero**, "Foreign Bank Lending: Evidence from the Global Financial Crisis", *Journal of International Economics*, v. 92, 1, pp. 22-35. (WP No. 926)
- Carlucci F. and **F. Montaruli**, "Co-integrating VAR Models and Economic Policy", *Journal of Economic Surveys*, v. 28, 1, pp. 68-81.
- **Daniele F.** and **F. Zollino**, "Macroeconomic Imbalances in Europe: Institutional Progress and the Challenges That Remain", *Applied Economics*, v. 46, 4-6, pp. 589-602.
- **D'Ignazio A.** and E. Giovannetti, "Continental Differences in the Clusters of Integration: Empirical Evidence from the Digital Commodities Global Supply Chain Networks", *International Journal of Production Economics*, v. 147, pp. 486-497.
- **Di Giacinto V., M. Gomellini, G. Micucci** and **M. Pagnini**, Mapping local productivity
 advantages in Italy: industrial districts, cities or both?, *Journal of Economic Geography*, v. 14, pp. 365–394 (WP No. 850)
- **Giordano C.**, G. Piga and G. Trovato, "Fascist Wage and price policies, and the industrial great depression in Italy", *Macroeconomic Dynamics*, v. 18, 3, pp. 689-720.
- Huntley J. and **V. Michelangeli**, "Can Tax Rebates Stimulate Consumption Spending in a Life-Cycle Model?", *American Economic Journal: Macroeconomics*, v. 6, 1, pp. 162-89.

- Ichino A., E. A. Lindstrom and **E. Viviano**, "Hidden Consequences of a First-Born Boy for Women", *Economics Letters*, v. 123, 3, pp. 274-278.
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- **Rocco M.**, "Extreme value theory in finance: a survey", *Journal of Economic Surveys*, v. 28, 1, pp. 82-108 (OP No. 99)

- Accetturo A., M. Bugamelli and A. Lamorgese, "Skill Upgrading and Exports", *Journal Economics Letters, December*, v. 121, 3, pp. 417-20.
- **Adamopoulou E.**, "New Facts on Infidelity", *Economics Letters*, v. 121, 3, pp. 458-62.
- Alesina A., **L. Francesca** and **P.E. Mistrulli**, "Do Women Pay More for Credit? Evidence from Italy", *Journal of the European Economic Association*, v. 89, v. 11, 2, pp. 45-66.
- Amatori A., **M. Bugamelli** and A. Colli, "Technology, Firm Size, and Entrepreneurship", in G. Toniolo (ed.), *The Oxford Handbook of the Italian Economy since Unification*, New York, Oxford University Press. (EHWP No. 13)
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- (eds), *The Chinese Economy: Recent Trends and Policy Issues*, Springer-Verlag, Berlin.
- Barbiellini Amidei F., J. Cantwell and A. Spadavecchia, "Innovation and Foreign Technology", in G. Toniolo (ed.), *The Oxford Handbook of the Italian Economy since Unification*, New York, Oxford University Press. (EHWP No. 7)
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- Bertola G. and **P. Sestito**, "Human Capital", in G. Toniolo (ed.), *The Oxford Handbook of the Italian Economy since Unification*, New York, Oxford University Press. (EHWP No. 6)
- **Bianco, M.**, M. E. Bontempi, R. Golinelli and **G. Parigi**, "Family Firms' Investments, Uncertainty and Opacity", *Small Business Economics*, v. 40, iss. 4, pp. 1035-58.
- **Bianco M.** and G. Napolitano, "Why the Italian Administrative System Is a Source of Competitive Disadvantage", in G. Toniolo (ed.), *The Oxford Handbook of the Italian Economy since Unification*, New York, Oxford University Press. (EHWP No. 24)
- Blanchard O. J. and **M. Riggi**, "Why are the 2000s so different from the 1970s? A structural interpretation of changes in the macroeconomic effects of oil prices", *Journal of the European Economic Association*, v. 11, 5, pp. 1032-1052. (WP No. 835)
- Borin A., R. Cristadoro, R. Golinelli and G. Parigi, "Forecasting World Output: The Rising Importance of Emerging Asia", in G. Gomel, Giorgio, D. Marconi, I. Musu, B. Quintieri (eds), The Chinese Economy: Recent Trends and Policy Issues, Springer-Verlag, Berlin.
- **Brandolini A.**, "Poverty", in L. Bruni and S. Zamagni (eds), *Handbook on the Economics of Reciprocity and Social Enterprise*, Cheltenham, Edward Elgar.
- Brandolini A. and G. Vecchi, "Standards of Living", in G. Toniolo (ed.), *The Oxford Handbook of the Italian Economy since Unification*, New York, Oxford University Press. (EHWP No. 19)
- Broadberry S.N., **C. Giordano** and **F. Zollino**, "Productivity", in G. Toniolo (ed.), *The Oxford*

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- Bronwyn H, **F. Lotti** and J. Mairesse, "Evidence on the Impact of R&D and ICT Investments on Innovation and Productivity in Italian Firms", *Economics of Innovation and New Technology*, v. 22, iss. 3-4, pp. 300-328.
- **Busetti F.** and **J. Marcucci**, "Comparing forecast accuracy: a Monte Carlo investigation", *International Journal of Forecasting*, v. 29, 1, pp. 13-27. (WP No. 723)
- **Cingano F.** and P. Pinotti, "Politicians at Work. The Private Returns and Social Costs of Political Connections", *Journal of the European Economic Association*, v. 89, v. 11, 2, pp. 433-465. (WP No. 709)
- Conti M. and **E. Sette**, "Type of Employer and Fertility of Working Women: does Working in the Public Sector or in a Large Private Firm Matter?", *Cambridge Journal of Economics*, v. 37, 6, pp. 1303-1333.
- Crafts N. and **M. Magnani**, "The Golden Age and the Second Globalization in Italy", in G. Toniolo (ed.), *The Oxford Handbook of the Italian Economy since Unification*, New York, Oxford University Press. (EHWP No. 17)
- **Cristadoro R., G. Saporito** and **F. Venditti**, "Forecasting Inflation and Tracking Monetary Policy in the Euro Area, does National Information Help?", *Empirical Economics*, v.44, 3, pp. 1065-1086.
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- **Di Iasio G.**, "Incentives and Financial Crises: Microfounded Macroprudential Regulation", *Journal of Financial Intermediation*, v. 22, 4, pp. 627-38.

- Di Stefano E., "Demographic Trends and Sustainability of the Old-Age Security System in China", in G. Gomel, Giorgio, D. Marconi, I. Musu, B. Quintieri (eds), *The Chinese Economy: Recent Trends and Policy Issues*, Springer-Verlag, Berlin.
- **Di Nino V.**, B. Eichengreen and **M. Sbracia**, "Real Exchange Rates, Trade, and Growth", in G. Toniolo (ed.), *The Oxford Handbook of the Italian Economy since Unification*, New York, Oxford University Press. (EHWP No. 10)
- **Dottori D.**, S. I-Ling and F. Estevan, "Reshaping the schooling system: The role of immigration", *Journal of Economic Theory*, v. 148, 5, pp. 2124-2149. (WP No. 726)
- Fazio G. and **L. Lavecchia**, "Social Capital Formation Across Space: Proximity and Trust in European Regions", *International Regional Science Review*, v. 36, 3, pp. 296-321
- **Federico S.**, "Industry dynamics and competition from low-wage countries: Evidence on Italy", *Oxford Bulletin of Economics and Statistics*, (DOI: 10.1111/obes.12023). (WP No. 879)
- Ferguson S. and **S. Formai**, "Institution-Driven Comparative Advantage and Organizational Choice", *Journal of International Economics*, v. 90, 1, pp. 193-200.
- Filippin A., C. V. Fiorio and **E. Viviano**, "The Effect of Tax Enforcement on Tax Morale", *European Journal of Political Economy*, v. 32, pp. 320-331. (WP No. 937)
- Finicelli A., P. Pagano and M. Sbracia, "Ricardian selection", *Journal of International Economics*, v. 89, 1, pp. 96-109. (WP No. 728)
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- **Gaiotti E.**, "Credit Availability and Investment: Lessons from the Great Recession", *European Economic Review*, v. 59, pp. 212-227. (WP No. 793)
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