

# **CURRICULUM VITAE of FRANCESCO VONA**

Updated May 2016

## **A. GENERAL INFORMATION**

### **Personal**

Date of birth: 18-06-1977 in Rome (Italy)

Languages: Italian (mother tongue), English and French

Married, one daughter

### **Contacts**

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### **Current Positions**

Senior Economist, OFCE Sciences-Po (French Economic Observatory of Sciences-Po), Nice from October-2010 (Senior from June 2013).

Research Associate, Isigrowth (EU project, 2015-2018) and “Value Added in Motion” (ENEL Research Project 2013-16).

Italian Academic Qualification as Associate Professor: Economics; Economic Policy.

Adjunct Professor SciencesPo and SKEMA Business School.

### **Previous Positions**

Post-Doc Research Fellow, Depart. Public Economics, ‘La Sapienza’ 2009-2010.

Research Associate, RASTANEWS (EU Project 2013-15), POLHIA (EU Project 2009-2011) and INEQ (EU Project 2009).

Visitings: Maxwell School of Public Affair, Syracuse (2014), IEB, Barcelona (2014), FEEM, Venezia (2012), Manchester Institute of Innovation Research (2007-2009).

### **Academic Education**

PhD in Economics, University ‘La Sapienza’, 2008.

Degree with honours in Statistics and Economics, University ‘La Sapienza’, 2004.

## B. RESEARCH

### Published Papers

#### *Environmental Innovation and Public Policies.*

1. Nicolli, F., Vona, F., 2016. 'Heterogeneous Policies, Heterogeneous Technologies: the case of Renewable Energy', ***Energy Economics*** vol. 56, 190-204.
2. Nicolli, F., Vona, F., 2015. 'The Evolution of Renewable Energy Policy in Oecd Countries: aggregate indicators and determinants', a shorter version is published in: ***Political Economy and Instruments of Environmental Politics***, CESIFO seminar series, MIT Press.
3. Nesta, L., Vona, F., Nicolli, F., 2014. 'Environmental Policies, Competition and Innovation in Renewable Energy', ***Journal of Environmental Economics and Management*** vol. 67(3), 396-411.
4. Patriarca, F., Vona, F., 2012. 'Environmental Policies, Inequality and Technical Change: a simulation model', ***Revue de l'OFCE*** vol.124, 389-413.
5. Vona, F., Patriarca, F., 2011. 'Income Inequality and the Development of Environmental Technologies', ***Ecological Economics*** vol.70(11), 2201-13.

#### *Skill Dynamics, Labour Markets and Technical Change.*

1. Consoli, D., Marin, G., Marzucchi, A., Vona, F., 2016. 'Do green jobs differ from non-green jobs in terms of skills and human capital?', ***Research Policy*** vol. 45 : 1046–1060.
2. Consoli, D., Vona, F., Rentocchini, F., 2016. 'That was then, this is now: Skills and Routinization in the 2000s', ***Industrial and Corporate Change*** forthcoming.
3. Vona, F., Consoli, D., 2015. 'Innovation and Skill Dynamics: A Life-cycle Approach', ***Industrial and Corporate Change*** vol. 24 (6): 1393-1415.
4. Vona, F., Zamparelli, L., 2014. 'Centralized Wage Setting and Active Labor Market Policies in Frictional Labor Markets: the Nordic Case', ***Eastern Economic Journal*** vol. 40(3), 349-364.
5. Patriarca, F., Vona, F., 2013. 'Structural Change and the Income Distribution: an inverted-U relationship', ***Journal of Economic Dynamics and Control*** vol. 37(8), 1641-1658.
6. Consoli, D., Vona, F., and Saarivirta, T., 2013. 'An analysis of the Graduate Labour Market in Finland: the impact of Spatial Agglomeration and Skill-Job Mismatches', ***Regional Studies*** vol. 47(10), 1634-1652.
7. Amendola, M., Vona, F., 2012. 'Coordinating the Accumulation of Physical and Human Capital in different Institutional Settings', ***Economic of Innovation and New Technology*** vol. 21(7), 631-653.

#### *Intergenerational Inequality and Educational Policies.*

1. Raitano, M., Vona, F., 2016. 'Assessing students' equality of opportunity in OECD countries: the role of national and school-level policies', ***Applied Economics*** vol. 48(33), 3148-3163.
2. Raitano, M., Vittori, C., Vona, F., 2016. 'The effect of parental background along the sons' earnings distribution: does one model fit for all?', ***Applied Economic Letters*** forthcoming.

3. Raitano, M., Vona, F., 2015. 'Measuring the link between intergenerational occupational mobility and earnings: evidence from eight European countries', ***Journal of Economic Inequality*** vol. 13(1), 83-102.
4. Raitano, M., Vona, F., 2015. 'Direct and indirect influences of parental background on offspring earnings: a comparison across-countries and genders', ***Manchester School*** vol. 83(4), 423-450.
5. Raitano, M., Vona, F., 2013. 'Peer Heterogeneity, School Tracking and Students' Performances: Evidence from PISA 2006', ***Applied Economics*** vol. 45(32), 4516-4532.
6. Franzini, M., Raitano, M., and Vona, F., 2013. 'The Channels of Intergenerational Transmission of Inequality: a cross-country comparison', ***Rivista Italiana degli Economisti*** vol.2, 201-26.

### **Completed/R&R papers and on-going projects**

#### *Green Employment and Impact of Environmental Policies on Competitiveness.*

1. Vona, F., Marin, G., Consoli, D., Popp, D., 'Green Skills', *NBER working paper 21116*. A new version 'Environmental Regulation and Green Skills: an empirical exploration', R&R ***Journal of the Association of Environmental and Resource Economists***.
2. Vona, F., Marin, G., Consoli, D., 'Measures, Drivers and Effects of Green Employment: evidence from US metropolitan and non-metropolitan areas, 2006-2014', presented at the 3rd IZA Workshop on Labor Market Effects of Environmental Policies (Berlin).
3. Marin, G., Vona, F., 2016. 'Energy Prices, Employment and Workforce Composition: Evidence for France Manufacturing Establishments'.

#### *Skill and Labour Market Dynamics.*

1. Raitano, M., Vona, F., 'Competition, Firm Size and Returns to Skills: evidence from currency shocks and market liberalizations', *OFCE working paper*, R&R ***The World Economy***.
2. Consoli, D., Marin, G., Rentocchini, F., Vona, F., 2016. 'Routinization and Long-term Employment Dynamics: the Role of Within Occupation Task Changes'.

#### *Intergenerational Inequality and Educational Policies.*

1. Raitano, M., Vona, F., 'From the Cradle to the Grave: the impact of family background on carrier path of Italian males', *Fondazione Eni Enrico Mattei (FEEM) working paper*, R&R ***Review of Income and Wealth***.
2. Raitano, M., Vona, F., 'The impact of liberalization on returns to parental background of Italian lawyers'.

#### *Environmental Innovation and Public Policies.*

1. Vona, F., Nicolli, F., 'Energy Market Liberalization and Renewable Energy Policies in OECD Countries', *Institut d'Economia de Barcelona (IEB) working paper*, submitted.
2. Verdolini, E., Vona, F., Popp, D., 'Bridging the gap: fast-reacting fossil technologies facilitate renewable energy diffusion', *NBER working paper 22454*.
3. Nesta, L., Verdolini, E., Vona, F., 'Threshold Policy Effects and the Direction of Technical Change: Evidence from Energy Technologies'.

## **Other Publications**

1. Napolitano, M., Vona, F., Gaffard, J.-L., 2015. 'Profils de l'investissement et divergences de performances entre l'Allemagne et la France', Revue de l'OFCE.
2. Raitano, M., Vona, F., 2013. 'Mobilità intergenerazionale, imperfezioni di mercato e vincoli finanziari', in: Parole Chiave 48, edited by Maurizio Franzini.
3. Vona, F., 2012. 'Produttività, Cambiamento Tecnologico e Investimenti in Capitale Umano in un Approccio di Disequilibrio', chapter in the volume 'Innovare per crescere: strategie e scelte politiche', edited by Maurizio Franzini, Massimo Giannini and Luca Zamparelli.
4. Segre, E., Vona, F., 2010. 'Considerazioni sul ruolo anticiclico delle politiche educative: teorie ed esperienze storiche', Rivista di Politiche Sociali- Italian Journal of Social Policy, Vol.4.
5. Segre, E., Vona, F., 2009. 'Investimento in capitale umano per favorire il superamento della crisi: l'esperienza finlandese', in: 'Rapporto sullo Stato Sociale 2009' edited by Roberto Pizzuti.
6. Riggi, M., Vona, F., 2009. 'L'evoluzione del labour share in Europa e Stati Uniti: evidenza empirica e implicazioni macroeconomiche', in: 'Rapporto sullo Stato Sociale 2009', edited by Roberto Pizzuti.

## **Reports**

1. Nesta, L., Dibiaggio, L., Gaffard, J.-L., Guillou, S., Napolitano, M., Salies, E., Vona, F., 2016. 'Le développement du parc de Sophia Antipolis depuis 1997', report for the Communauté d'Agglomération Sophia Antipolis.
2. Vona, F., 2014. 'Determinants of Renewable Energy Innovation: a critical survey', policy paper for the EU project RASTANEWS.
3. Vona, F., Galeotti, M., 2014. 'The Sustainable Management of Energy and Natural Resources and the Geography of Economic Activities and of Population Movements: An Overview', background paper for the Project 'Value Added in Motion', ENEL foundation.
4. Naticchioni, P., Ricci, A., Vona, F., 2010. 'Technological Change, Human Resources and Inequality: a Review', EU project POLHIA.
5. Amendola, M., Di Iasio, G., Naticchioni, P., Ricci, A., Vona, F., 2008. 'Tecnologia, Produttività e Capitale Umano', report on the productivity in the region Umbria, AUR.

## **Policy Briefs and Blog Posts**

1. 'L'inégalité intergénérationnelle dans quatre grands pays de l'UE: un seul modèle peut expliquer tout?', blog de l'OFCE.
2. 'Green Skills', with Consoli, D., Marin, G., Popp, D., vox.eu.
3. 'I ricchi e i loro paradisi (fiscali)', Etica ed Economia.
4. 'The promotion of renewable energy innovation: when state intervention and competition go hand in hand', with Lionel Nesta, policy brief RASTANEWS and Note OFCE (a shorter version is also available at the blog de l'OFCE).
5. 'Better abilities or stronger social ties? Drivers of social immobility across EU countries', blog de l'OFCE.

6. 'Inequality and Global Imbalances: reconsidering old ideas to address new problems', with Jean-Luc Gaffard, blog de l'OFCE.
7. 'Human capital policies and inequality in recessions' times', blog de l'OFCE,
8. 'Capitale umano e mobilità sociale', sbilanciamoci.info.
9. 'Una storia finlandese per il ministro Gelmini', with Elisabetta Segre, sbilanciamoci.info.

## **C. TEACHING AND OTHER ACTIVITIES**

### **Teaching**

- International Economics, Bachelor, SciencesPo Menton 2014-15.
- Statistics, Master Digital Business, SKEMA Business School 2015.
- Economics of Globalization, Master1, SKEMA Business School 2013-2014.
- Environmental Economics, Bachelor, SKEMA 2012.
- International Economics, Master2 in Economics and Business, SKEMA 2011-2012.
- Economics Dynamics, Doctoral School La Sapienza 2010.
- Graduate advanced course '*Innovation, Growth, Employment, International Production: Models and Data Analyses*', Rome 2009-2010.
- Graduate summer school '*Policies for innovation and Growth*', Piediluco, 2007.
- Teaching assistant of Political Economy, University 'La Sapienza', 2008-2010.
- Teaching assistant in Advanced Microeconomics, University of Manchester, 2008.

### **Other Academic Activities**

#### **Organization of Conferences:**

- Workshop on economic geography OFCE-SKEMA-GREDEG 2016 (joint with Ludovic Di Biaggio, Mariann Feldman and Benjamin Montmartin);
- Joint research seminars OFCE-SKEMA-GREDEG 2015-2016 (joint with Flora Bellone, Patrice Bougette and Renata Kaminska);
- 8<sup>th</sup> European Meeting on Applied Evolutionary Economics EMAEE 2013 (joint with Zakaria Babutsidze, Maurizio Iacopetta, Lionel Nesta and Mauro Napoletano);
- OFCE Workshop on Inequality 2012 (joint with Francesco Saraceno and Mauro Napoletano);
- OFCE-SKEMA workshop on Economic Growth 2012 (joint with Maurizio Iacopetta).

#### **Writing of European project proposals:**

- INNOPATHS 2016: Innovation pathways, strategies and policies for the Low-Carbon Transition in Europe (team leader, approved 2017-2020);
- MAESTRIA 2015: Modelling and Analysis of the European energy System Transformation driven by Innovation and Actors (team leader);
- RASTANEWS 2013 on macro-risk assessment and stabilization policies (task leader, approved);
- POLINEQ 2009, on inequality and policies.
- POLHIA 2008 on fiscal and structural policies with heterogeneous agents (co-team leader with Mario Amendola, approved);
- INDIE 2007 on measures and evaluation of well-being.

**Referee for:** Agence Nationale de la Recherche (France), Eastern Economic Journal, *Economia Politica*, *Economics of Innovation and New Technologies*, *Energy Economics*, *Energy Policy*, *Environment and Planning A*, *Information Economics and Policy*, *Industrial and Corporate Change*, *Industry and Innovation*, *International Journal of Computational Economics and Econometrics*, *Journal of Economic Behaviour and Organisation*, *Journal of Environmental Economics and Management* (top 10% reviewer, 2013-2015), *Journal of Evolutionary Economics*, *Journal of the Association of Environmental and Resource Economists*, *Journal of Economic Inequality*, *Manchester School*, *Research Policy*, *Resource and Energy Economics*, *Revue de l'OFCE*, *Social Science Research*, *World Review of Science Technology and Sustainable Development*.

**Summer Schools Attended:** ‘Technical change and labour markets’, Gerzensee (CH); ‘Inequality: Mechanisms, effects and policies’, Siena; ‘Industrial dynamics’, C.E.S.P.R.I. Bocconi, Cargese (FR); ‘Econometrics and Panel Data’, C.I.D.E., Lecce (IT); ‘Mathematics’, SMI (Scuola Matematica Interuniversitaria), Perugia (IT); ‘Computational Economics’, Lecce (IT).

### Presentations

**2016:** American Economic Association (San Francisco); Lunch Seminar Fondazione Enrico Matteri (Milano); Fifth ZEW Energy Conference (Mannheim); Eurkind GCW Innovation, Employment and the Environment (Valencia).

**2015:** LSE conference on innovation and the environment (London); 3rd IZA Workshop on Labor Market Effects of Environmental Policies (Berlin); OFCE-SKEMA Economic Growth Workshop (Nice); Lunch Seminar University of Barcelona, series on economic geography (Barcelona); Third Annual Conference of the Green Knowledge Platform (Venice).

**2014:** Lunch Seminar University of Barcelona, series on energy and environmental economics (Barcelona); Invited speaker at the IEB Symposium on ‘R&D and Energy’ (Barcelona); Journée d'étude compétitivité et politiques publiques, SciencesPo (Paris); Lunch Seminar University of Verona; WCERE 5th World Congress of Environmental and Resource Economists (Istanbul); TASK3 Changing Tasks- Consequences for Inequality, IAB (Nuremberg); Lunch Seminar Center for Policy Research (Syracuse); Lunch Seminar OFCE-SKEMA (Nice).

**2013:** EALE 25<sup>th</sup> European Association of Labour Economists (Turin); ZEW energy conference; ECINEQ 5<sup>th</sup>, Society for the Study of Economic Inequality (Bari); EMAEE 8<sup>th</sup>, Applied Evolutionary Economics (Nice); Lunch Seminar Science & Technology Policy Research, University of Sussex (Brighton).

**2012:** Lunch Seminar Manchester Institute of Innovation Research; Workshop on Inequality and Macroeconomic Performance (Paris); Invited speaker at 12<sup>th</sup> IAEE (International Association of Energy Economists) European Conference, (Venice); 5<sup>th</sup> Atlantic Energy Conference, A Toxa (Spain); OFCE-SKEMA Economic Growth Workshop (Nice); Lunch Seminar Institute of Innovation and Knowledge Management (Ingegno, Valencia); Lunch Seminar Institute of Environmental Science and Technology, Autònoma University Barcelona (Spain); Lunch Seminar Fondazione Enrico Mattei (Milan).

**2011:** “Innovation, Economic Change and Policies: An out of equilibrium perspective” conference in honor of Mario Amendola (Rome); EALE 23<sup>rd</sup>, European Association of Labour Economists (Paphos, Cyprus); ECINEQ 4<sup>th</sup>, Society for the Study of Economic Inequality (Catania); “Equality of opportunity: concepts,

measures and policy” (Rome); Lunch Seminar Department of Economics, Parthenope University (Naples); EMAEE 7<sup>th</sup>, Applied Evolutionary Economics (Pise).

**2010:** EAEPE, Evolutionary Political Economy (Bordeaux); Forum Italian Journal of Social Policy (Rome); OFCE-SKEMA seminar Sophia-Antipolis (Nice); IARIW 32<sup>nd</sup>, International Association Review of Income and Wealth (San Gallen); International Conference Development in Economics Theory and Policy (Bilbao); Lunch Seminar University of Ferrara (Ferrara); Lunch Seminar of the group for the analysis of inequality, University of Rome (Rome).

**2009:** ESEE 8th, European Society for Ecological Economics (Lubiana); AISSEC XVII, Associazione Italiana Studio Sistemi Economici Comparati (Perugia); DRUID summer conference (Copenhagen); Workshop Alumni of the Doctoral School of the University ‘La Sapienza’ (Rome); EMAEE 6th, Applied Evolutionary Economics (Jena); First Workshop European Project POLHIA (Rome); Centro Nazionale delle Ricerche CNR, Seminar on ‘Innovation, Technical Change and Growth’ (Rome)

**2008:** Workshop on Skill, Competitiveness and Performance (Lisbon); ISS 12th, International Schumpeter Society (Rio de Janeiro).

**2007:** Summer School ‘Policies for innovation and Growth’, Piediluco (Terni); Summer School ‘Inequality: Mechanisms, effects and policies’ (Siena).