

# Curriculum Vitæ et Studiorum

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## Contact details

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## Individual Rankings

*h-index* : **8** (GS), **6** (Scopus), **5** (Clarivate Analytics).

*Total number of citations*: **238** (GS), **68** (Scopus), **58** (Clarivate Analytics).

*Ideas Repec*: Top **5%** for number of downloads, Top **7%** among female economists (last 10 Years Publications), Top **9%** among Italian economists (last 10 Years Publications).

## Current position

March 2017 – : Assistant Professor in Economic Policy, Department of Economic Policy, Universita' Cattolica del Sacro Cuore, Milan, Italy.

## Affiliations

March 2017 – : Affiliate Researcher, Institute of Economics, Scuola Superiore Sant'Anna, Pisa, Italy.

March 2017 – : Global Labour Organization Fellow.

## Eligibility

*Abilitazione Scientifica Nazionale, Seconda Fascia, 13/A2 (Politica Economica), 13/A4 (Economia Applicata)* – National eligibility for Associate Professorship in “Economic Policy” and “Applied Economics”.

## Past positions

October 2016 – February 2017 Research Fellow, Institute of Economics, Scuola Superiore Sant'Anna, Pisa, Italy.

## Education

2016: PhD in Economics, Institute of Economics, Scuola Superiore Sant'Anna, Pisa, Italy.<sup>1</sup>

Thesis title: *Essays on economic coordination and change from industry and labour markets to macroeconomic regimes of growth.*

Supervisor: Prof. Giovanni Dosi

Committee: Prof. Russell Cooper, Prof. Richard Freeman, Prof. Francisco Louçã, Prof. Alessandro Nuvolari, Prof. Angelo Secchi.

2013: M.Sc. in Economics: jointly held by *Laboratory of Economics and Management, Scuola Superiore Sant'Anna* and *Faculty of Economics, University of Pisa*, Italy.

Final mark: 110/110 *summa cum laude*.

Dissertation title: *"Looking for the roots of economic fluctuations: a formal exploration of 'Classical' and Keynesian endogenous business cycles"*.

Supervisors: Prof. Giovanni Dosi, Prof. Mauro Sodini.

a.y. 2011-2012 *Excellence Path - Master of Science in Economics*.

Requirements: Exams average mark of at least 28/30 and a minimum mark of at least 26/30.

Dissertation title: *"Economic crisis or crisis of Economic Theory: a dissertation on Minsky's theoretical contribution"*.

Supervisor: Prof. Giovanni Dosi.

2011: B. S. in Economics (*Laurea Triennale in Scienze Economiche*) at *Faculty of Economics, University of Pisa*, Italy.

Final mark: 110/110 *summa cum laude*

Dissertation: *Il ruolo della politica fiscale dell'UE: le vie d'uscita dalla crisi.*

Advisor: Prof. Valeria De Bonis.

2008: High School Diploma at *Liceo Scientifico E. Fermi* (science-oriented), Paternò, Italy.

Final mark: 100/100 *summa cum laude*.

## Visiting periods

February 2019 - April 2019: Visiting Researcher at *ISEG, Lisbon School of Economics and Management, Lisbon, PT.*

May 2016 - July 2016: Research Fellow at *Labor and Worklife Program, Harvard Law School, Boston, US.*

Supervisor: Prof. Richard Freeman.

March 2015 - April 2015: Visiting Student at *Unicamp, Campinas, Brasil.*

Supervisor: Prof. David Dequech.

January 2015 - March 2015: Visiting Student at *Instituto Nacional de Matematica Pura e Aplicada, Rio de Janeiro, Brasil.*

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<sup>1</sup>Winner of a three years national scholarship.

## Teaching

### Undergraduate courses

a.y. 2019: Seminar series on “What and how has to be explained by the economic discipline”, IUSS, Pavia, Italy.

a.y. 2017-: International Economics, Faculty of Economics, Università Cattolica del Sacro Cuore, Milan, Italy.

a.y. 2016-2018: Economic Policy, Faculty of Economics, Università Cattolica del Sacro Cuore, Milan, Italy.

a.y. 2013-2015: Teaching Assistant in Mathematics, Faculty of Economics, University of Pisa, Italy.

a.y. 2011-2012: Teaching Assistant in Microeconomics, Faculty of Economics, University of Pisa, Italy.

### Graduate courses

May 2019: Seminar Series in “I4.0 and its consequences for work organization”, Advanced course on Innovation, jointly held by University of Urbino and “Sapienza” University of Rome.

a.y. 2017: Seminar Series in “Modelling technical change and industrial dynamics an introduction to ABM techniques”, PhD in Global Studies, Urbino, Italy.

a.y. 2015-2016: Teaching Assistant in Economics of Information, Master of Science in Economics (MSE) and International Doctoral Program in Economics (IDPE), Scuola Superiore Sant’Anna, Pisa, Italy.

## Research Areas

Industrial Dynamics, Labour Economics, Macroeconomic Dynamics, Agent-Based Modelling, Technology and Labour Relations, Evolutionary Economics.

## Publications in peer reviewed journals

1. G.Dosi and M.E. Virgillito: “Whither the evolution of the contemporary social fabric? New technologies and old socio-economic trends”, *International Labour Review*, forthcoming
2. A. Moro, M. Rinaldini, J. Staccioli, M.E. Virgillito (2019): “Control in the era of surveillance capitalism: an empirical investigation of Italian Industry 4.0 factories”, *Journal of Industrial and Business Economics*, <https://doi.org/10.1007/s40812-019-00120-2>.
3. G.Dosi, M. C. Pereira, A. Roventini, M.E. Virgillito (2019): “The labour-augmented K+S model: a laboratory for the analysis of institutional and policy regimes”, *Economia*, <https://doi.org/10.1016/j.econ.2019.03.002>.
4. G.Dosi, M. C. Pereira, A. Roventini, M.E. Virgillito (2018): “What if supply side policies are not enough? The perverse interaction of flexibility and austerity”, *Journal of Economic Behavior and Organization*, <https://doi.org/10.1016/j.jebo.2018.11.026>.
5. G.Dosi, M. C. Pereira, A. Roventini, M.E. Virgillito (2018): “Causes and consequences of hysteresis: aggregate demand, productivity, employment”, *Industrial and Corporate Change*, <https://doi.org/10.1093/icc/dty010>.

6. G.Dosi, M. C. Pereira, A. Roventini, M.E. Virgillito (2017): “The effects of labour market reforms upon unemployment and income inequalities: an agent based model”, *Socioeconomic Review*, <https://doi.org/10.1093/ser/mwx054>.
7. G.Dosi and M.E. Virgillito (2017): “In order to stand up, you must keep cycling: Change and coordination in complex evolving economies”, *Structural Change and Economic Dynamics*, <https://doi.org/10.1016/j.strueco.2017.06.003>.
8. G.Dosi, M. C. Pereira, M.E. Virgillito (2017): “On the robustness of the fat-tailed distribution of firm growth rates: a global sensitivity analysis”, *Journal of Economic Interaction and Coordination*, <https://doi.org/10.1007/s11403-017-0193-4>.
9. F. Calvino, M.E. Virgillito (2017): “The Innovation-Employment nexus: a critical survey of theory and empirics”, *Journal of Economic Surveys*, <http://dx.doi.org/10.1111/joes.12190>.
10. G.Dosi, M. C. Pereira, A. Roventini, M.E. Virgillito (2017): “When more Flexibility Yields more Fragility. The Microfoundations of Keynesian Aggregate Unemployment”, *Journal of Economic Dynamics and Control*, Volume 81, pp 162-186.
11. G. Dosi, M. C. Pereira, M.E. Virgillito (2017): “The footprint of evolutionary processes of learning and selection upon the statistical properties of industrial dynamics”, *Industrial and Corporate Change*, Volume 26 (2), pp 187-210.
12. G. Dosi, M. Sodini, M.E. Virgillito (2015): “Profit-driven and demand-driven investment growth and fluctuations in different accumulation regimes”, *Journal of Evolutionary Economics*, Volume 25, pp 707-728.

## Chapters in Books

1. G.Dosi and M.E. Virgillito (2018): “The “Schumpeterian” and the “Keynesian” Stiglitz: Learning, Coordination Hurdles and Growth Trajectories” in “Towards a Just Society. Joseph Stiglitz and Twenty-First Century Economics” ed. by M. Guzman, Columbia University Press.
2. M.E. Virgillito (2016): “L’economia politica alla prova dei beni comuni” in “Beni comuni 2.0. Contro-egemonia e nuove istituzioni”, ed. by A. Quarta and M. Spano’, Mimesis Edizioni.

## Book reviews

1. M.E. Virgillito (2017): Book Review on “Rise of the robots: technology and the threat of a jobless future”, *Labor History*, Volume 58, pp 240-242.

## Working papers

1. G. Dosi, M.C. Piva, M.E. Virgillito, M. Vivarelli: “Embodied and disembodied technological change: the sectoral patterns of job-creation and job-destruction”, Lem WP Series, 14/2019.

2. G.Dosi, M.E. Virgillito, Xiaodan Yu: “The wage-productivity nexus in the World Factory Economy”, Lem WP Series, 05/2019.
3. G.Dosi, D. Guarascio, A. Ricci, M.E. Virgillito: “Neodualism in the Italian business firms: training, organizational capabilities and productivity distributions”, Lem WP Series, 34/2018, *R&R in Small Business Economics*.
4. V. Cirillo, M. Rinaldini, J. Staccioli, M.E. Virgillito: “Workers’ intervention authority in Italian 4.0 factories: autonomy and discretion’ , Lem WP Series, 13/2018, submitted to *Research Policy*’.

## Research projects

PRIN (2019-2022): “Lost highway: skills, technology and trade in Italian economic growth, 1815-2018”, Associated Investigator (Unit leader) (100.000 euros).

TENDER JRC/SVQ/2018/B.4/0022/NC (2019): “Compilation of tasks data at the national level and support in the development and testing of a tasks questionnaire”, project member.

H2020 Growinpro project (2019-2022), project member.

TENDER JRC-IESI I-FRAME 2.0 (2016-2018): “Development and piloting of a computer-based simulation model to assess impacts of ICT-enabled social innovation initiatives promoting social investment in the EU ”, project member.

H2020 ISIGrowth project (2015-2018), project member.

## Editorial and referee activity

Since 2019: Editor in charge of the “Elements in Complex Economics”, Cambridge University Press.

Since May 2019: Associate Editor for *Structural Change and Economic Dynamics*.

Referee activity (more than twenty papers): *Industrial and Corporate Change*, *Journal of Evolutionary Economics*, *Economia Politica*, *Small Business Economics*, *Journal of Economic Dynamics and Control*, *Journal of Economic Behavior and Organization*, *Eurasian Business Review*, *Rivista Internazionale di Scienze Sociali*, *Structural Change and Economic Dynamics*, *Research Policy*.

October 2018: Outstanding reviewer status recognised by *Journal of Economic Behavior and Organization*.

## Conferences, Workshops and Seminars

**2019:** Workshop in *innovation, firm dynamics, employment and growth*, University of Greenwich, UK; ICC Tsinghua Conference, Beijing, China; Seminar Series, University of Pavia, Pavia,

IT; *SISEC 2019*, University of Naples, Naples, IT.

**2018:** II International Conference, *Reassessment and Perspectives of Labour Policies*, Università Roma 3, Italy; Seminar Series, IRPET, Firenze, Italy; *39th AISRE*, Eurach Research Center, Bolzano, Italy; *15th ENEF*, SPRU, Sussex University, Brighton, UK; *23rd WEHIA*, International Christian University, Tokyo, Japan; *30th SASE Annual Conference*, Doshisha University, Kyoto, Japan; Workshop *A new industrial revolution? Labor, technology and the automotive industry*. Scuola Superiore Sant'Anna, Italy; *5th ISCEF Symposium*, Society for Computational Economics, Paris, France; Conference *Digitalizzazione dei processi di produzione e Industria 4.0. Temi e questioni di ricerca interdisciplinare*, Università del Salento, Italy.

**2017:** I International Conference, *Reassessment and Perspectives of Labour Policies*, Università Roma 3, Italy; *Evidence Informed Social Policy Innovation' at the High Level Conference on Opening up a new era of Social Innovation*, Lisbon, Portugal; *29th Annual EAEPE Conference*, Corvinus University of Budapest, Hungary; International Conference, *Finance and Economic Growth in the Aftermath of the Crisis*, Università degli Studi di Milano, Italy; *29th SASE Annual Meeting*, University of Lyon, France; *22th Annual Workshop on the Economic Science with Heterogeneous Interacting Agents (WEHIA)*, Università Cattolica del Sacro Cuore, Milan, Italy; *Workshop on Economic Growth, Macroeconomic Dynamics, and Agents Heterogeneity*, European University at Saint-Petersburg, Russia.

**2016:** *10th International Conference on Computational and Financial Econometrics*, University of Seville, Spain; *28th Annual EAEPE Conference*, Manchester Metropolitan University, UK; *Economics, Economic Policies and Sustainable Growth in the Wake of the Crisis*, Università Politecnica delle Marche, Ancona, Italy; *16th International Conference of the International Schumpeter Society (ISS)* at Montreal, Canada; Seminar at Graduate School of Business and Economics, Maastricht University, the Netherlands.

**2015:** *Large Scale Crisis*, Università Politecnica delle Marche, Ancona, Italy; *19th FMM Conference: The Spectre of Stagnation*, Macroeconomic Policy Institute (IMK), Berlin, Germany; *DRUID Academy*, LUISS Guido Carli, Rome, Italy; *First Bordeaux-Milano Joint Workshop on Agent-Based Macroeconomics*, GREThA, Université de Bordeaux, Bordeaux, France; *European Meeting of Evolutionary Applied Economics (EMAEE)*, UNUMerit, Maastricht, The Netherlands; *20th Annual Workshop on the Economic Science with Heterogeneous Interacting Agents (WEHIA)*, SKEMA Business School, Sophia-Antipolis, France.

**2014:** *Workshop Explaining Economic Change* at Sapienza, Università di Roma in cooperation with Accademia Nazionale dei Lincei; *15th International Conference of the International Schumpeter Society (ISS)* at Jena, Germany; *Workshop on Mathematical Theories of the Crisis* at Università Bicocca, Milan, Italy (invited speaker).

**2013:** *1<sup>st</sup> Doctoral Workshop in Economics of Innovation, Complexity and Knowledge* at Collegio Carlo Alberto, Turin, Italy; *Workshop on Deterministic and Stochastic Dynamics in Economics and Finance* at Centro di Ricerca Matematica Ennio De Giorgi, Scuola Normale Superiore, Pisa, Italy; *2013: 8<sup>th</sup> International Conference on Nonlinear Economic Dynamics (NED)* at University of Siena, Siena, Italy.

## **Conferences, Summer School and Special Sessions Organizer**

June 2019: co-organizer of the workshop “Innovation, firm dynamics, employment and growth”, University of Greenwich.

December 2017: organizer of the Special Session “Theoretical, empirical and policy analyses of the European labour markets: insights from the ISIGrowth project”, International Conference on “Reassessment and Perspectives of Labour Policies”, Università di Roma 3, Italy.

June 2017: organizer of the Special Session “The impact of labour market flexibility upon skills, innovation and wage dispersion: insights from the ISIGrowth project”, 29th SASE Annual Meeting, University of Lyon, France.

April 2017: co-organizer of the workshop “Going Digital: the Future of Industry and Jobs”, OECD, Paris, France.

October 2016: organizer of the Workshop “The IV Industrial Revolution: the emergence of a new techno-economic paradigm?”, Scuola Superiore Sant’Anna, Pisa, Italy.

September 2016: organizer of the Workshop “Freewheeling Econometrics: The Econometrics of Complex Evolving Economies”, supported by the Young Scholar Initiative – Institute of New Economic Thinking, Scuola Superiore Sant’Anna, Pisa, Italy.

April 2016: organizer of the Workshop “The effects of labour market flexibilization in Italy”. Scuola Superiore Sant’Anna, Pisa, Italy.

November 2015: organizer of the Workshop “The Intellectual Inheritance of Christopher Freeman: some contemporary challenges” Scuola Superiore Sant’Anna, Pisa, Italy.

May 2015: member of the Organizing Committee of the WEHIA Doctoral Summer School, supported by the Young Scholar Initiative – Institute of New Economic Thinking. University of Nice, Nice, France.

November 2014: member of the Organizing Committee of the Conference *Debunking Austerity: Towards Alternative Economic Policy Scenarios*, supported by the Young Scholar Initiative – Institute of New Economic Thinking. Scuola Superiore Sant’Anna, Pisa, Italy.

## **Further education**

**2015:** ISEO Summer School, Iseo, Italy; WEHIA Doctoral Summer School, Nice, France; INET Annual Plenary Conference – selected participant, OECD Headquarters, Paris, France, INPA Summer School, Rio de Janeiro, Brasil.

**2014:** 8th Jena Summer Academy on Innovation and Uncertainty, Friedrich Schiller University and the Max Planck Institute of Economics, Jena, Germany; Summer School of Econometrics, CIDE (Centro Interuniversitario di Econometria), Bertinoro, Italy; Winter School on Applied Macro-Modelling: Fully Scalable Models, at University of Limerick, Ireland. Sponsored by In-

stitute of New Economic Thinking.

**2013:** Summer School of Mathematics for Economics and Social Sciences, at Centro di Ricerca Matematica Ennio De Giorgi, Scuola Normale Superiore, Pisa, Italy; the Minsky Summer Seminar, Levy Economics Institute of Bard College, Annandale-on-Hudson, New York.

**2012:** Summer School of Mathematics for Economics and Social Sciences, at Centro di Ricerca Matematica Ennio De Giorgi, Scuola Normale Superiore, Pisa, Italy.