

# Curriculum Vitæ et Studiorum

MARIA ENRICA VIRGILLITO

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## Contact details

Email: ✉ [mariaenrica.virgillito@santannapisa.it](mailto:mariaenrica.virgillito@santannapisa.it)

Address: Institute of Economics

Scuola Superiore Sant'Anna

Piazza Martiri della Libertà, 56127, Pisa (IT).

ORCID profile: <https://orcid.org/0000-0001-5958-9647>

IDEAS-REPEC profile: <https://ideas.repec.org/f/pvi341.html>

## Current position

November 2019 – : (Tenure-track) Assistant Professor in Economics, Institute of Economics, Scuola Superiore Sant'Anna, Pisa, Italy.

## Affiliations

March 2017 – : Global Labour Organization Fellow.

January 2020 – : Affiliate Researcher, Department of Economic Policy, Università Cattolica del Sacro Cuore, Milan, Italy.

## Eligibility

*Abilitazione Scientifica Nazionale, Seconda Fascia, 13/A1 (Economia Politica), 13/A2 (Politica Economica), 13/A4 (Economia Applicata)* – National eligibility for Associate Professorship in “Economics”, “Economic Policy” and “Applied Economics”.

## Past positions

March 2017 – November 2019: (Junior) Assistant Professor in Economic Policy, Department of Economic Policy, Università Cattolica del Sacro Cuore, Milan, Italy.

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 ‘Classic’ and Keynesian endogenous business cycles”.*

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

Requirments: 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”.*

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.*

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.

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

January 2015 - March 2015: Visiting Student at INSTITUTO NACIONAL DE MATEMATICA PURA E APLICADA, Rio de Janeiro, Brasil.

## Teaching

### Undergraduate courses

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

*a.y.* 2020-2021: Course in Technical change, income distribution and macroeconomic dynamics, Scuola Superiore Sant’Anna, Italy.

*a.y.* 2019-2020: Course in “What and how has to be explained by the economic discipline”, IUSS, Pavia, Italy.

*a.y.* 2018-2019: Seminar series on “What and how has to be explained by the economic discipline”, IUSS, Pavia, Italy.

*a.y.* 2017-2019 : 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**

*a.y.* 2020-2021: Course in Evolutionary Development, International Doctoral Program in Economics, Scuola Superiore Sant’Anna, Pisa, Italy.

May 2019: Seminar Series in “ I4.0 and its consequences for work organization”, Advanced course in 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**

Labour Economics, Technology and Work Organization, Industrial and Macroeconomic Dynamics, Agent-Based Modelling, Evolutionary Economics, Political Economy, Inequality.

### **Publications in peer reviewed journals**

1. Montobbio, F., J. Staccioli, M.E. Virgillito, M. Vivarelli (2022): “Robots and the origin of their labour-saving impact”, *Technological Forecasting and Social Change*, 174, 121122, <https://doi.org/10.1016/j.techfore.2021.121122>.
2. Aguiar, M., Dosi, G., Knopoff, D. A., Virgillito, M. E. (2021). A multiscale network-based model of contagion dynamics: heterogeneity, spatial distancing and vaccination, *Mathematical Models and Methods in Applied Sciences*, forthcoming.
3. Cetrulo, A., D. Guarascio, M.E. Virgillito (2021): “Working from home and the explosion of enduring divides: income, employment and safety risks”, *Economia Politica*, forthcoming.
4. Dosi, G., L. Marengo, M.E. Virgillito (2021): Hierarchies, Knowledge, and Power Inside Organizations. *Strategy Science*, <https://doi.org/10.1287/stsc.2021.0136>.

5. Bellomo, N., Burini, D., Dosi, G., Gibelli, L., Knopoff, D., Outada, N., Terna, P., Virgillito, M. E. (2021). What is life? A perspective of the mathematical kinetic theory of active particles. *Mathematical Models and Methods in Applied Sciences*, 31(9), 1821-1866 (2021), <https://doi.org/10.1142/S0218202521500408>.
6. Dosi, G., F. Riccio, M.E. Virgillito (2021): “Varieties of deindustrialization and patterns of diversification: why microchips are not potato chips”, *Structural Change and Economic Dynamics*, 57, 182-202, <https://doi.org/10.1016/j.strueco.2021.01.009>.
7. Staccioli, J. and M.E. Virgillito (2021): “Back to the past: the historical roots of labour saving automation”, *Eurasian Business Review*, 11, 27-57, <https://doi.org/10.1007/s40821-020-00179-1>.
8. Dosi, G., M.C. Piva, M.E. Virgillito, M. Vivarelli (2021): “Embodied and disembodied technological change: the sectoral patterns of job-creation and job-destruction”, *Research Policy*, 50(4), 104199, <https://doi.org/10.1016/j.respol.2021.104199>.
9. Cirillo, V., M. Rinaldini, J. Staccioli, M.E. Virgillito (2021): “Technology vs. workers: the case of Italy’s Industry 4.0 factories”, *Structural Change and Economic Dynamics*, 56, 166-183, <https://doi.org/10.1016/j.strueco.2020.09.007>.
10. Dosi, G., R. Freeman, M. C. Pereira, A. Roventini, M.E. Virgillito (2021): “The impact of deunionization on the growth and dispersion of productivity and pay”, *Industrial and Corporate Change*, 30 (2), 377-408, <https://doi.org/10.1093/icc/dtaa025>.
11. Cetrulo, A., D. Guarascio, M.E. Virgillito (2020): “Anatomy of the Italian occupational structure: concentrated power and distributed knowledge”, *Industrial and Corporate Change*, 29 (6), 1345-1379, <https://doi.org/10.1093/icc/dtaa050>.
12. Dosi, G., L. Fanti, M.E. Virgillito (2020): “Unequal societies in usual times, unjust societies in pandemic ones”, *Journal of Industrial and Business Economics*, 47, 371-389, <https://doi.org/10.1007/s40812-020-00173-8>.
13. Bellomo, N., R. Bingham, M. A. J. Chaplain, Dosi, G., G. Forni, D. A. Knopoff, J. Lowengrub, R. Twarock, and M. E. Virgillito (2020): “A Multi-Scale Model of Virus Pandemic: Heterogeneous Interactive Entities in a Globally Connected World”, *Mathematical Models and Methods in Applied Sciences*, 30(8), 1591-1651, <https://doi.org/10.1142/S0218202520500323>.
14. Cetrulo, A., D. Guarascio, M.E. Virgillito (2020): “The privilege of working from home at the time of social distancing”, *Intereconomics*, 55, 142-147, <https://doi.org/10.1007/s10272-020-0891-3>.
15. Dosi, G., M. C. Pereira, A. Roventini, M.E. Virgillito (2020): “The labour-augmented K+S model: a laboratory for the analysis of institutional and policy regimes”, *Economia*, 21(2), 160-184, <https://doi.org/10.1016/j.econ.2019.03.002>.
16. Bellomo, N., G. Dosi, D. A. Knopoff, and M. E. Virgillito (2020): “From Particles to Firms: On the Kinetic Theory of Climbing Up Evolutionary Landscapes”, *Mathematical Models and Methods in Applied Sciences*, 30(7), 1441-1460, <https://doi.org/10.1142/S021820252050027X>.

17. Dosi, G., M.E. Virgillito, Xiaodan Yu (2020): “The wage-productivity nexus in the World Factory Economy”, *World Development*, <https://doi.org/10.1016/j.worlddev.2020.104875>.
18. Dosi, G., D. Guarascio, A. Ricci, M.E. Virgillito (2019): “Neodualism in the Italian business firms: training, organizational capabilities and productivity distributions”, *Small Business Economics*, <https://doi.org/10.1007/s11187-019-00295-x>.
19. Dosi, G., and M.E. Virgillito (2019): “Whither the evolution of the contemporary social fabric? New technologies and old socio-economic trends”, *International Labour Review*, <https://doi.org/10.1111/ilr.12145>.
20. Moro, A., 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>.
21. Dosi, G., M. C. Pereira, A. Roventini, M.E. Virgillito (2019): “What if supply side polices are not enough? The perverse interaction of flexibility and austerity”, *Journal of Economic Behavior and Organization*, 162, pp. 360-388, <https://doi.org/10.1016/j.jebo.2018.11.026>.
22. Dosi, G., M. C. Pereira, A. Roventini, M.E. Virgillito (2018): “Causes and consequences of hysteresis: aggregate demand, productivity, employment”, *Industrial and Corporate Change*, 27 (6), 1015-1044, <https://doi.org/10.1093/icc/dty010>.
23. Dosi, G., M. C. Pereira, A. Roventini, M.E. Virgillito (2018): “The effects of labour market reforms upon unemployment and income inequalities: an agent based model”, *Socioeconomic Review*, 16(4), pp. 687-720, <https://doi.org/10.1093/ser/mwx054>.
24. Dosi, G., M. C. Pereira, M.E. Virgillito (2018): “On the robustness of the fat-tailed distribution of firm growth rates: a global sensitivity analysis”, *Journal of Economic Interaction and Coordination*, 13(1), pp. 173-193, <https://doi.org/10.1007/s11403-017-0193-4>.
25. Calvino, F., M.E. Virgillito (2018): “The Innovation-Employment nexus: a critical survey of theory and empirics”, *Journal of Economic Surveys*, 32(1), pp. 83-117, <http://dx.doi.org/10.1111/joes.12190>.
26. Dosi, G., 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>.
27. Dosi, G., 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.
28. Dosi, G., 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.
29. Dosi, G., 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. Staccioli, J. and M.E. Virgillito (2021): “The present, past, and future of labor-saving technologies”, in Handbook of Labor, Human Resources and Population Economics, Zimmermann, F. (eds), Springer, [https://doi.org/10.1007/978-3-319-57365-6\\_229-1](https://doi.org/10.1007/978-3-319-57365-6_229-1).
2. Dosi, G., M.E. Virgillito and A. Roventini (2019): “Rebalancing Labour Power for an Innovation-fuelled Sustainable Inclusive Growth” in “Quale reddito di cittadinanza?”, E. Innocenti, E. Rossi, E. Vivaldi (eds.), il Mulino.
3. Dosi, G. 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.

## Contributions in Italian

1. Cirillo, V., M. Rinaldini, J. Staccioli, M.E. Virgillito (2022): ‘Sindacato e negoziazione delle tecnologie 4.0’. In *Il lavoro operaio digitalizzato. Inchiesta nell’industria metalmeccanica bolognese*. Ed. by Francesco Garibaldo and Matteo Rinaldini. Il Mulino.
2. Cirillo, V., M. Rinaldini, J. Staccioli, M.E. Virgillito (2022): ‘Lean production, high performance work practices e Industria 4.0’. In *Il lavoro operaio digitalizzato. Inchiesta nell’industria metalmeccanica bolognese*. Ed. by Francesco Garibaldo and Matteo Rinaldini. Il Mulino.
3. Cresti, L., M.E. Virgillito (2021): “Settori strategici e lavori essenziali. Lo Stato, il pubblico e l’interesse collettivo”. In *Un’altro mondo è ancora possibile?*, Fondazione Giangiacomo Feltrinelli Editore.
4. Cetrulo, A., M.E. Virgillito (2020): “Dicotomie di genere: tra lavoro da casa e lavoro di cura” in *Forza Lavoro, Collane Quaderni*, Fondazione Giangiacomo Feltrinelli Editore, <https://fondazionefeltrinelli.it/schede/forza-lavoro-ripensare-il-lavoro-al-tempo-dell>
5. Costa, S., S. De Santis, G. Dosi, R. Monducci, A. Sbardella, M. E. Virgillito (2020), Alle radici della stagnazione: Una tassonomia della struttura produttiva italiana, *Economia Italiana*, 2020/2, 73-122, <https://economiaitaliana.org/pubblicazioni/la-produttivita-delle-i>
6. Virgillito, M.E. (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. Virgillito, M.E. (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. Cetrulo, A., Sbardella, A., Virgillito, M. E. (2021). “Vanishing social classes? Facts and figures of the Italian labour market”. Lem WP Series, 29/2021.

2. Dosi, G., Marengo, L., Staccioli, J., Virgillito, M. E. (2021). “Big pharma and monopoly capitalism: A long-term view”. Lem WP Series, 26/2021.
3. Costa, S., De Santis, S., Dosi, G., Monducci, R., Sbardella, A., Virgillito, M. E. (2021). “From organizational capabilities to corporate performances: at the roots of productivity slowdown”, Lem WP Series, 21/2021.
4. Dosi, G., M. C. Pereira, A. Roventini, M.E. Virgillito (2021): “Technological paradigms, labour creation and destruction in a multi-sector agent-based model”, Lem WP Series, 17/2021.
5. Dosi, G., M.E. Virgillito, X. Yu (2020): “Gains from trade or from catching-up? Value creation and distribution in the era of China’s WTO accession”, Lem WP Series, 22/2020.
6. Cirillo, V., M. Rinaldini, J. Staccioli, M.E. Virgillito (2020): “Trade unions’ responses to Industry 4.0 amid corporatism and resistance ”, Lem WP Series, 21/2020.

## Research projects

BARCOVID (2021): The impact of the Covid-19 crisis on Collective Agreements in Europe, funded by European Commission. Directorate-General for Employment. Social Affairs and Inclusion - VS/2021/0190, Unit coordinator.

TENDER JRC/SVQ/2020/LVP/1925 (2021): “Case studies of Automation in Services”, Unit coordinator.

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

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), WP coordinator and Task responsible.

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

2020 –: Editor for Industrial and Corporate Change, Macro and Development yearly issue.

2020 - 2021: Member of the Editorial Board of SINAPPSI. Editor in charge of the issue “Technological changes, labour market transformations, industrial and labour policies” (2/2021).

Since November 2019: Associate Editor for *Review of Evolutionary Political Economy*.

Since June 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*, *Plos One*, *Review of Evolutionary Political Economy*, *Economic Inquiry*, *Labour*, *Journal of Economic Survey*.

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

## Conferences, Workshops and Seminars

**2021:** ENEF 2021; Seminar at UNU-Merit; Workshop “Innovation, firm growth and employment: empirical evidences and policy perspectives” Università Cattolica del Sacro Cuore; Workshop “Digital Economy and Society: the state of knowledge” Università La Sapienza; GERPISA 2021; Seminar at University of Perugia; ISS 2021; EAEPE 2021; Workshop “Digital Transformation and Socio-Economic Change after COVID-19” (WZB); Globelics 2021.

**2020:** Paper Development workshop, Manchester Business School, UK; SISEC 2020, University of Turin, IT; Lem Webinar; Webinar at Minerva Lab, La Sapienza - Università di Roma; Webinar at Economia Italiana-ISTAT; Webinar at Rethinking Economics Pisa.

**2019:** III International Conference, *Reassessment and Perspectives of Labour Policies*, Università Roma 3, Italy; 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

September 2021: organizer of the Special Session “Social classes and social stratification beyond inequalities: patterns, evidence and perspectives in pre- and pandemic times”, EAEPE 2021.

June 2021: organizer of the workshop “Opening up the black box of development: capabilities, structural change and innovation”, cosponsored by YSI, Scuola Superiore Sant’Anna, Pisa, Italy.

May 2021: organizer of the workshop “Varieties of Technological and Organizational Changes in the Age of Automation and Digitalisation”, cosponsored by ARTES 4.0, Scuola Superiore Sant’Anna, Pisa, Italy.

January 2021: co-organizer of the web-conference “Value creation and distribution in the digital era”, in collaboration with OECD.

December 2020: organizer of the web-conference “The socio-economic consequences of the pandemic @Growinpro: Modelling, empirics and policy designs”.

February 2020: organizer of the workshop “Il popolo, le classi, la sinistra”, Scuola Superiore Sant’Anna, Pisa, Italy.

October 2019: organizer of the workshop “Reforming the Eurozone: from failure to integration strategies”, Scuola Superiore Sant’Anna, Pisa, Italy.

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 INSTITUTE 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.