Mauro Sodini

Curriculum Vitae

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Department of Law – University of Naples, Federico II, Italy

Personal

Born in Pietrasanta, Tuscany, Italy, December 18th, 1976

Citizenship: Italian

Present address

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Department of Law

University of Naples 'Federico II'

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ResearcherID: R-1776-2016

Academic and Professional positions

- ✓ 2021 (July)-Present: Full Professor of Economics (SECS-P-01), Department of Law, University of Naples Federico II, Italy,

- ✓ 2020 (November)-2021 (July): Associate Professor of Mathematics for Economics (SECS-6/06), Department of Law, University of Pisa, Italy.

- ✓ 2015 (June)-2020 October: Associate Professor of Mathematics for Economics (SECS-6/06), Department of Economics and Management, University of Pisa, Italy.
- ✓ *2008 – 2015 (May)*: Assistant Professor of Mathematics for Economics (SECS-6/06), Department of Economics and Management, University of Pisa, Italy.
- ✓ *2006-2008:* Instructor of Mathematics (Cultore della Materia), Faculty of Economics, University of Pisa, Italy.
- ✓ 2006-2007: Teacher of Mathematics for high schools.

Education

- ✓ 2006: Professional qualifications (SSIS) in teaching at high school level: mathematics (A047) and applied mathematics (A048), (University of Pisa).
- ✓ 2006: M.Sc. Thesis Title (Statistics): *"Brownian motion and economic applications"*, Supervisor: Prof. Riccardo Cambini (University of Pisa).
- ✓ *2005*: Ph.D. (Applied Mathematics), University of Pisa. Thesis Title: "*No market externalities*", Supervisor: Prof. Angelo Antoci (University of Firenze).
- ✓ *2000*: B.Sc. (Economics), University of Pisa. Thesis Title: "*Preinvex functions and their role in Optimization theory*", Supervisors: Prof. Laura Martein (University of Pisa), Prof. Alberto Cambini (University of Pisa).

Summer Schools

- ✓ *11th-14th of June 2016,* Introduction to Simulation and Estimation of Dynamic Stochastic General Equilibrium (DSGE) models, University of Cagliari, Cagliari, Italy. Director: Alessio Moro.
- ✓ *11th-13th of September 2013: Tutorial Workshop DDSA –*Bifurcations in PWS Systems: Perspectives, Methodologies and Open Problems, University of Urbino, Urbino, Italy. Directors*:* Prof. Laura Gardini and Prof. Gian-Italo Bischi.
- ✓ *30th of June–3rd of July 2010*: Tutorial Workshop DDSA – Discrete Dynamical Systems and Applications. University of Urbino, Urbino, Italy. Directors: Prof. Laura Gardini and Prof. Gian-Italo Bischi.
- ✓ *June 2009*: Summer School in Econometrics CIdE – Bertinoro, Forlì-Cesena, Italy.

Director: Prof. Carlo Bianchi.

Teaching experiences (Italian translation is provided for courses held in Italian language)

Until December 2008 (before obtaining an academic position)
- ✓ Teaching within the PhD in "Mathematics for Economic Decisions" and "Economics" of the University of Pisa for 1 year (12-hour course) on Dynamic Systems;
- ✓ Teaching within the PhD in "Mathematics for Economic Decisions" on Dynamic Systems and Economic Growth for 2 years (courses of 12 hours per year);
- ✓ 4 years of tutoring (esercitazioni) for Calculus (Matematica Generale), Course A, Faculty of Economics, University of Pisa (40 hours per year);
- ✓ Tutoring (esercitazioni) in the Academic Year 2007/2008 for the course of Mathematics for Economics and Business (Matematica per l'economia e l'azienda), Bachelor in "Economics and Legislation of Logistics Systems" (12 hours).

Cds stands for "Course of studies".

About the CFUs: 7 (8) hours of didactical activity at the Department of Economics (resp. Departments of Law) correspond to 1 CFU.

PHD courses have not explicit CFUs.

2008/2009
- ✓ Complements of Mathematics (Complementi di Matematica), CdS "Economia e Legislazione dei Sistemi Logistici", University of Pisa, total teaching hours: 30;
- ✓ Mathematics for Economic Analysis, CdS "Banca, Finanza e Mercati Finanziari" and "Economia e Commercio", University of Pisa, total teaching hours: 12;
- ✓ Calculus (Matematica Generale), CdS "Economia e Commercio", University of Pisa, total teaching hours: 2;
- ✓ Mathematical methods for Economic Analysis, PhD School in "Economics, Markets, Institutions" of the IMT "Alti Studi Lucca" school, frontal teaching hours: 20 hours.
- ✓ Recursive Methods, International Doctoral Programme in Economics, Sant'Anna School of Advanced Studies and Further Education (SSSUP), Pisa, frontal teaching hours: 16 hours.

2009/2010
- ✓ Mathematics for Economic Analysis, CdS "Banca, Finanza e Mercati Finanziari" and "Economia e Commercio", University of Pisa, total teaching hours: 12;
- ✓ Calculus (Matematica Generale), CdS "Economia e Commercio", University of Pisa, total teaching hours: 32 (Course D); Exercise hours: 38 (Course A);
- ✓ Crash course of prerequisites in Mathematics, Faculty of Economics, total teaching hours:

18.

2010/2011
- ✓ Calculus (Matematica Generale), CdS "Economia e Commercio", University of Pisa, tutoring hours: 38.

2011/2012
- ✓ Calculus (Matematica Generale), CdS "Economia e Commercio", University of Pisa, total teaching hours: 36 (Courses A and B); Exercise hours: 14 (Courses A);
- ✓ Static and Dynamic Optimization, Master's Degree in Economics, University of Pisa, total teaching hours: 44; Exercise hours: 20.

2012/2013
- ✓ Calculus (Matematica Generale), CdS "Economia e Commercio", "Economia Aziendale", "Banca, Finanza e Mercati Finanziari", University of Pisa, total teaching hours: 24 (Course A); tutoring hours: 12 (Course A);
- ✓ Static and Dynamic Optimization, Master Degree in Economics, University of Pisa, total teaching hours: 42.

2013/2014
- ✓ Calculus (Matematica Generale), CdS "Economia e Commercio", "Economia Aziendale", "Banca, Finanza e Mercati Finanziari", University of Pisa, total teaching hours: 42 (Course B);
- ✓ Static and Dynamic Optimization, Master Degree in Economics, University of Pisa, total teaching hours: 34;
- ✓ Mathematical Methods for Economics, Master Degree "Economics", University of Pisa and Sant'Anna High School of University Studies and Further Education (SSSUP), total teaching hours: 8.

2014/2015
- ✓ Calculus (Matematica Generale), CdS "Economia e Commercio", "Economia Aziendale", "Banca, Finanza e Mercati Finanziari", University of Pisa, total teaching hours: 42 (Course B);
- ✓ Static and Dynamic Optimization, Master Degree in Economics, University of Pisa, total teaching hours: 42;
- ✓ Mathematics for Economics (Matematica per l'Economia), CdS "Economics and Business", University of Pisa, total teaching hours: 42;
- ✓ Static and Dynamic Optimization, International Doctoral Programme in Economics, Sant'Anna School of Advanced Studies and Further Education (SSSUP), total teaching hours: 30.

2015/2016
- ✓ Calculus (Matematica Generale), CdS "Economia e Commercio", "Economia Aziendale", "Banca, Finanza e Mercati Finanziari", University of Pisa, total teaching hours: 84 (Course B);
- ✓ Mathematical Methods for Economics, Master's Degree "Economics", University of Pisa and Sant'Anna School of Advanced Studies (SSSUP), total teaching hours: 42;
- ✓ Basics of Mathematics for Economics, "Economia and Commercio". University of Pisa, total teaching hours: 21;

- ✓ Static and Dynamic Optimization, International Doctoral Programme in Economics, Sant'Anna School of Advanced Studies (SSSUP), total teaching hours: 30.

2016/2017
- ✓ Calculus (Matematica Generale), CdS "Economia e Commercio", "Economia Aziendale", "Banca, Finanza e Mercati Finanziari", University of Pisa, total teaching hours: 88 (Course B);
- ✓ Mathematical Methods for Economics, Master's Degree "Economics", University of Pisa and Sant'Anna School of Advanced Studies (SSSUP), total teaching hours: 42;
- ✓ Basics of Mathematics for Economics, "Economia e Commercio". University of Pisa, total teaching hours: 22;
- ✓ Static and Dynamic Optimization, International Doctoral Programme in Economics, Sant'Anna School of Advanced Studies (SSSUP), total teaching hours: 30.

2017/2018
- ✓ Calculus (Matematica Generale), CdS "Economia e Commercio", "Economia Aziendale", "Banca, Finanza e Mercati Finanziari", University of Pisa, total teaching hours: 42 (Course B);
- ✓ Mathematical Methods for Economics, Master's Degree "Economics", University of Pisa and Sant'Anna School of Advanced Studies (SSSUP), total teaching hours: 46;
- ✓ Basics of Mathematics for Economics, "Economics and Commerce". University of Pisa, total teaching hours: 22;
- ✓ Mathematics for Economics (Matematica per l'Economia), CdS "Economics and Business", University of Pisa, total teaching hours: 42;
- ✓ Static and Dynamic Optimization, International Doctoral Programme in Economics, Sant'Anna School of Advanced Studies (SSSUP), total teaching hours: 30.

2018/2019
- ✓ Calculus (Matematica Generale), CdS "Economia e Commercio", "Economia Aziendale", "Banca, Finanza e Mercati Finanziari", University of Pisa, total teaching hours: 46 (Course B);
- ✓ Mathematical Methods for Economics, Master's Degree "Economics", University of Pisa and Sant'Anna School of Advanced Studies (SSSUP), total teaching hours: 86;
- ✓ Mathematics for Economics (Matematica per l'Economia), CdS "Economics and Business", University of Pisa, total teaching hours: 44;
- ✓ Static and Dynamic Optimization, International Doctoral Programme in Economics, Sant'Anna School of Advanced Studies (SSSUP), total teaching hours: 20.
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2019/2020
- ✓ Calculus (Matematica Generale), CdS "Economia e Commercio", "Economia Aziendale", "Banca, Finanza e Mercati Finanziari", University of Pisa, total teaching hours: 46 (Course B);
- ✓ Mathematical Methods for Economics, Master's Degree "Economics", University of Pisa and Sant'Anna School of Advanced Studies (SSSUP), total teaching hours: 46;
- ✓ Mathematics for Economics (Matematica per l'Economia), CdS "Economics and Business", University of Pisa, total teaching hours: 44;
- ✓ Static and Dynamic Optimization, International Doctoral Programme in Economics, Sant'Anna School of Advanced Studies (SSSUP), total teaching hours: 24;
- ✓ Economic Policy (Politica Economica), CdS "Giursiprudenza" (Law), total teaching hours:

44.

2020/2021
- ✓ Calculus (Matematica Generale), CdS "Economia e Commercio", "Economia Aziendale", "Banca, Finanza e Mercati Finanziari", University of Pisa, total teaching hours: 46 (Course B);
- ✓ Mathematical Methods for Economics, Master's Degree "Economics", University of Pisa and Sant'Anna School of Advanced Studies (SSSUP), total teaching hours: 46;
- ✓ Static and Dynamic Optimization, International Doctoral Programme in Economics, Sant'Anna School of Advanced Studies (SSSUP), total teaching hours: 20;
- ✓ Mathematical and statistical methods for Law (Metodi Matematici e Statistici per Giuristi), University of Pisa total teaching hours: 48.
- ✓ Economics (Economia Politica), Cds Diritto dell'impresa, del lavoro e delle pubbliche amministrazioni, University of Pisa total teaching hours: 60
- ✓ Mathematics for Economics (Matematica per l'Economia), CdS "Economics and Business", University of Pisa, total teaching hours: 42.

2021/2022
- ✓ Static and Dynamic Optimization, International Doctoral Programme in Economics, Sant'Anna School of Advanced Studies (SSSUP), total teaching hours: 20;
- ✓ Economics (Economia Politica) University of Naples (Federico II) total teaching hours: 72

Supervisor of

2 Phd Theses;
16 Master Theses;
60+ Bachelor Theses.

Institutional activity

- ✓ Member since 2011 of the Examination Committee for admission to the Sant'Anna Higher School of University Studies and Further Education (Ordinary students of first level and single cycle);
- ✓ Member of 3 Commissions of Doctoral Theses;
- ✓ Member of the Commission for 2 competitions for Type B Researcher;
- ✓ Member of the Commission for 3 competition for Type A Researcher.

Academic management activity

- ✓ 2010-2014: Member of the Commission on Internationalisation;
- ✓ 2010-2015: Member of the Doctoral Council of "Mathematics for Economic Decisions";
- ✓ 2012-2016: Member of the Student Practices Commission for the Degree Course in Economics and Commerce;
- ✓ 2016-2021 (July): Member of the Didactical Committee;
- ✓ 2017-2021 (July): Member of the Department Seminars Committee.

<u>Other Academic Activities and Academic Awards</u>

- ✓ 2020/2021: Member of the University Research Project (funded by the University of Pisa) "Epidemics and Economics".
- ✓ 2017 Winner of FFABR-2017, Funding of Basic Research Activities (Description: The Funding Fund for Basic Research Activities (FFABR) was established by Law 232/2016 and is intended to contribute to the basic research and professors in full-time service at state universities. According to regulatory constraints, the number of those who benefit from funding is set according to the number of applications received).
- ✓ Coordinator with Prof. Nicola Salvati of the research project funded (Euro 9500) by "Toscana Promozione Turistica" for the study of the "Economic impact of the event 'Lucca Summer Festival' on the economy of Lucca and Tuscany".

- ✓ 2017/2018: Member of the University Research Project (funded by the University of Pisa) "Globalization, population and sustainability".
- ✓ 2015: Member of the University Research Project (funded by the University of Pisa) "Growth, welfare and public policies".
- ✓ *2014* Committee member *"Esame di stato per dottori commercialisti ed esperti contabili"*.
- ✓ *2011 – 2013*: Member of the PRIN 2009 Project: "*Local interactions and global dynamics in economics and finance: models and tools*". Director: Prof. Laura Gardini (University of Urbino).

<u>National scientific qualification for Full and Associate Professor</u>

Full professor:

13/D4 Metodi Matematici dell'Economia e delle Scienze attuariali e Finanziarie (Applied mathematics for economics);

13/A2 Politica Economica (Economic Policy).

<u>Research Interests</u>

Nonlinear Economic Dynamics, Delay Differential Equations, Chaos, Economic Growth,

Development, Oligopoly Dynamics, Health Economics, Epidemics, Environmental Economics, Social Capital, Evolutionary Game Theory, Industrial Economics.

Foreign Languages

Italian (Mother tongue);

English (fluent).

Articles in Peer Reviewed Journals

For each publication the following indexes are reported: Scopus, Web of Science (WOS) and the Italian indicators "Rivista Anvur Area 13" (Scientific journal related to Economics and Applied Mathematics to Economics), "Rivista Classe A Anvur Area 13" (A-class-scientific journal).

Total number of Scopus products: 80.

[1] Jakob M. et Al., Sodini M., 2022 How trade policy can support the climate agenda, *Science,* 376, Issue 6600, 1401-1403, WOS e Scopus , Rivista Classe A Anvur Area 13, doi: 10.1126/science.abo4207.

[2] Antoci A., Sacco P., Sabatini F., Sodini M., Experts vs. policymakers in the COVID-19 policy response, *Journal of Economic Behavior and Organization*, WOS e Scopus , Rivista Classe A Anvur Area 13, forthcoming.

[3] Caravaggio A., Gori L., Sodini M. 2022, Endogenous preferences in a dynamic Cournot duopoly, *Chaos, Solitons & Fractals (ISSN: 0960-0779),* January (130), Rivista Classe A Anvur Area 13, WOS e Scopus WOS e Scopus. https://doi.org/10.1016/j.chaos.2022.112303.

[4] Caravaggio A, Sodini M. 2022, Local Environmental Quality and Heterogeneity in an OLG Agent-Based Model with Spatial Externalities, *Journal of Economic Interaction & Coordination,* Rivista Classe A Anvur Area 13, WOS and Scopus, forthcoming.

[5] Caravaggio A., Gori L., Sodini M. 2022, Monopolistic Dynamics with Endogenous Product Differentiation, *Mathematics,* Rivista Anvur Area 13, WOS and Scopus, https://doi.org/10.3390/math10030302.

[6] Gori L. Manfredi P., Marsiglio S., Sodini M. 2021, COVID-19 epidemic and mitigation policies: positive and normative analyses in a neoclassical growth model, *Journal of Public Economic Theory,* Rivista Classe A Anvur Area 13, WOS and Scopus, https://doi.org/10.1111/jpet.12549

[7] Antoci A., Borghesi, S., Iannucci G., Sodini M. 2021, Should I stay or should I go? Carbon

leakage and ETS in an evolutionary model, *Energy Economics* Rivista Classe A Anvur Area 13, WOS and Scopus, doi:10.3934/dcdsb.2021179

[8] Antoci A., Borghesi, S., Sodini M. 2021, Environmental degradation and indeterminacy of equilibrium selection, *Discrete and Continuous Dynamical System Series B*, Rivista Anvur Area 13, , WOS and Scopus, doi:10.3934/dcdsb.2021179.

[9] Caravaggio A., Gori L., Sodini M. 2021, Population dynamics and economic development. *Discrete and Continuous Dynamical System Series B*, Rivista Anvur Area 13 , WOS and Scopus, doi:10.3934/dcdsb.2021178.

[10] Caravaggio A., Cerboni Baiardi L., Sodini M., A note on symmetry breaking in a non-linear marketing model, *Decisions in Economics and Finance (ISSN: 1593-8883)*, Rivista Classe A Anvur Area 13, WOS and Scopus, https://doi.org/10.1007/s10203-021-00339.

[11] Caravaggio, A., Sodini, M., 2020, I love shopping... but what am I going to buy? Social interaction and consumption choices *Chaos: An Interdisciplinary Journal of Nonlinear Science (ISSN: 1054-1500),* 30(xxx). Rivista Anvur Area 13, WOS and Scopus. DOI: 10.1063/5.0004988

[12] Antoci, A. Brunetti, I., Sacco, P., Sodini, M., 2020, Student Evaluation of Teaching (SET), social influence dynamics, and teachers' choices: An evolutionary model. *Journal of Evolutionary Economics (ISSN: 0936-9937),* Rivista Classe A Anvur Area 13, WOS and Scopus.

[13] Antoci, A., Borghesi, S., Galeotti, M., Sodini M. Living in an uncertain world: Environment substitution, local and global indeterminacy, *Journal of Economics Dynamics and Control,* Rivista Classe A Anvur Area 13, WOS and Scopus. forthcoming, DOI: doi.org/10.1016/j.jedc.2020.103929.

[14] Caravaggio, A., Sodini, M., 2020, Monopoly with differentiated final goods and heterogenous markets, *Chaos, Solitons & Fractals (ISSN: 0960-0779)*, January (130), Rivista Anvur Area 13, WOS e Scopus. DOI: doi.org/10.1016/j.chaos.2019.109429.

[15] Gori, L., Lupi, E., Manfredi, P., Sodini, M., 2020. A contribution to the theory of economic development and the demographic transition: fertility reversal under the HIV epidemic. *Journal of Demographic Economics (ISSN: 2054-0892),* Rivista Anvur Area 13, WOS e Scopus. forthcoming.

[16] Gori, L., Sodini, M., 2020. Endogenous labour supply, endogenous lifetime and economic development, *Structural Change and Economic Dynamics (ISSN: 1355-770X),* March (52), 238-259. Rivista Classe A Anvur Area 13/A1, WOS e Scopus. DOI: https://doi.org/10.1016/j.strueco.2019.11.006.

[17] Gori, L., Manfredi, P., Sodini, M., 2019. A parsimonious model of longevity, fertility, HIV

transmission and development, *Macroeconomic Dynamics (ISSN: 469-8056)* Rivista Classe A Anvur Area 13, WOS e Scopus. DOI: https://doi.org/10.1017/S1365100519000609.

[18]   Antoci, A. Gori, L, Sodini M., Ticci E., 2019, Maladaptation and Global indeterminacy, *Environment and Development Economics*, December, 643-659. Rivista Classe A Anvur Area 13, WOS e Scopus. DOI: https://doi.org/10.1017/S1355770X19000251

[19]   Gori, L., Sodini, M., 2019. A contribution to the theory of fertility and economic development, *Macroeconomic Dynamics (ISSN: 469-8056),* Rivista Classe A Anvur Area 13, WOS e Scopus. DOI: https://doi.org/10.1017/S1365100519000415.

[20]   Coppier, R., Sabatini F., Sodini M., 2019, Social capital, human capital, and fertility, *Macroeconomic Dynamics (ISSN: 469-8056),* Rivista Classe A Anvur Area 13, WOS e Scopus. DOI: https://doi.org/10.1017/S1365100519000348.

[21]   Ferrara, M., Gori L., Guerrini L., Sodini M, A. 2019, Continuous time economic growth model with time delays in environmental degradation, *Journal of Information & Optimization Sciences (ISSN: 0252-2667),* 40 (1), 185-201, Rivista Anvur Area 13, WOS. DOI: 10.1080/02522667.2018.1479954

[22]   Caravaggio, A., Sodini, M., 2018, Heterogeneous players in a Cournot model with differentiated products, *Decisions in Economics and Finance (ISSN: 1593-8883),* 41 (2), 277-295. Rivista Classe A Anvur Area 13, WOS and Scopus. DOI: 10.1007/s10203-018-0228-x.

[23]   Cavalli, F., Naimzada, A., Sodini, M., 2018, Oligopoly models with different learning and production time scales, *Decisions in Economics and Finance (ISSN: 1593-8883),* 41 (2), 297-312. Rivista Classe A Anvur Area 13, WOS and Scopus. DOI: 10.1007/s10203-018-0225-0.

[24]   Guerrini, L., Pecora, N., Sodini, M., 2018, Effects of fixed and continuously distributed delays in a monopoly model with constant price elasticity, *Decisions in Economics and Finance (ISSN: 1593-8883),* 41 (2), 239-257. Rivista Classe A Anvur Area 13, WOS and Scopus. DOI: 10.1007/s10203-018-0222-3.

[25]   Caravaggio, A., Sodini, M., 2018. Nonlinear dynamics in coevolution of economic and environmental systems, *Frontiers in Applied Mathematics and Statistics (ISSN: 2297-4687),* 4. DOI: 10.3389/fams.2018.00026.

[26]   Gori, L., Guerrini, L., Sodini, M., 2018. Time delays, population and economic development, *Chaos: An Interdisciplinary Journal of Nonlinear Science (ISSN: 1054-1500),* 28(5). Rivista Anvur Area 13, WOS and Scopus. DOI: 10.1063/1.5024397.

[27]   Antoci, A., Bellanca, N., Galdi, G., Sodini, M. 2018. Narrative dynamics in social groups: a discrete choice model, *Chaos: An Interdisciplinary Journal of Nonlinear Science (ISSN: 1054-*

1500), 28(5). Rivista Anvur Area 13, WOS and Scopus. DOI: 10.1063/1.5025177.

[28]   Fanti, L., Gori, L., Sodini, M., 2018. Codetermination and product differentiation, *International Review of Economics & Finance (ISSN: 1059-0560),* 58, 390-403. Rivista Anvur Area 13, WOS and Scopus. DOI: 10.1016/j.iref.2018.05.001.

[29]   Caravaggio, A., Sodini, M., 2018. Multiple attractors and dynamics in an OLG model with productive environment, *Communications in Nonlinear Science and Numerical Simulation (ISSN: 1007-5704),* May (58), 167-184. Rivista Anvur Area 13, WOS and Scopus. DOI: 10.1016/j.cnsns.2017.09.019.

[30]   Pecora, N., Sodini, M., 2018. A heterogenous Cournot duopoly with delay dynamics: Hopf bifurcations and stability switching curves, *Communications in Nonlinear Science and Numerical Simulation (ISSN: 1007-5704),* May (58), 36-46. Rivista Anvur Area 13, WOS and Scopus. DOI: 10.1016/j.cnsns.2017.06.015.

[31]   Gori, L., Guerrini, L., Sodini, M., 2018. Disequilibrium dynamics in a Keynesian model with time delays, *Communications in Nonlinear Science and Numerical Simulation (ISSN: 1007-5704),* May (58), 62-67. Rivista Anvur Area 13, WOS and Scopus. DOI: 10.1016/j.cnsns.2017.06.014.

[32]   Guerrazzi, M., Sodini, M., 2018 Efficiency-wage competition and nonlinear dynamics, *Communications in Nonlinear Science and Numerical Simulation (ISSN: 1007-5704),* May (58), 62-77. Rivista Anvur Area 13, WOS and Scopus. DOI: 10.1016/j.cnsns.2017.04.027.

[33]   Gori, L., Guerrini, L., Sodini, M., 2017. A characterization of duopoly dynamics with frictions in production adjustments, *Journal of Evolutionary Economics (ISSN: 0936-9937),* November 27 (5), 963-988. Rivista Classe A Anvur Area 13, WOS and Scopus. DOI: 10.1007/s00191-017-0515-7.

[34]   Gori, L., Sodini, M., Pecora, N., 2017. Market share delegation in a nonlinear duopoly with quantity competition: the role of dynamic entry barriers, *Journal of Evolutionary* Economics *(ISSN: 0936-9937),* November 27 (5) 905-931. Rivista Classe A Anvur Area 13, WOS and Scopus. DOI: 10.1007/s00191-017-0503-y.

[35]   Gori, L., Sodini, M., 2017. Price competition in a nonlinear differentiated duopoly, *Chaos, Solitons & Fractals (ISSN: 0960-0779),* November 104, 557-567. Rivista Classe A Anvur Area 13, WOS and Scopus. DOI: 10.1016/j.chaos.2017.09.009.

[36]   Antoci, A., Fiori Maccioni, A, Sacco, P., Sodini, M., 2017. Self-Protection, Psychological Externalities and the Social Dynamics of Fear, *Journal of Conflict Resolution (ISSN: 0022-0027),* August, 61 (2), 349-371. Rivista Classe A Anvur Area 13, WOS and Scopus. DOI: 10.1177/0022002715596771.

[37]   Antoci, A., Borghesi, S., Sodini, M. 2017. Water Resource Use and Competition in an Evolutionary Model, *Water Resources Management (ISSN: 0920-4741)*, June 1-21. Rivista Classe A Anvur Area 13, WOS and Scopus. DOI: 10.1007/s11269-016-1391-x.

[38]   Fanti, L., Gori, L., Sodini, M., 2017. The bargaining-sales-delegation game. *Managerial and Decision Economics (ISSN: 0143-6570),* September, 38(6), 857-889. Rivista Anvur Area 13, WOS and Scopus. DOI: 10.1002/mde.2822.

[39]   Fanti, L., Gori, L., Sodini, M., 2017. Managerial Delegation Theory Revisited, *Managerial and Decision Economics (ISSN: 0143-6570),* June, 38(4), 490-512. Rivista Anvur Area 13, WOS and Scopus. DOI: 10.1002/mde.2799.

[40]   Gori, L., Guerrini, L., Sodini, M., 2016. A model of economic growth with physical and human capital: the role of time delays. *Chaos: An Interdisciplinary Journal of Nonlinear Science (ISSN: 1054-1500),* September 26 (9), 093118. Rivista Classe A Anvur Area 13, WOS and Scopus. DOI: 10.1063/1.4963372.

[41]   Antoci, A., Gori, L., Sodini, M., 2016. Nonlinear dynamics and global indeterminacy in an overlapping generations model with environmental resources, *Communications in Nonlinear Science and Numerical Simulation (ISSN: 1007-5704),* 38, September, 59-71. Rivista Anvur Area 13, WOS and Scopus. DOI: 10.1016/j.cnsns.2016.02.005.

[42]   Gori, L., Guerrini, L., Sodini, M., 2015. Hopf bifurcation and stability crossing curves in a cobweb model with heterogeneous producers and time delays. *Nonlinear Analysis: Hybrid System (ISSN: 1751-570X),* November, 18, 117–133. Rivista Classe A Anvur Area 13, WOS and Scopus. DOI: 10.1016/j.nahs.2015.06.006.

[43]   Gori, L., Sodini, M., Fanti, L., 2015. A nonlinear Cournot duopoly with advertising. *Chaos, Solitons & Fractals (ISSN: 0960-0779)*, October, 45(12), 178-190. Rivista Classe A Anvur Area 13, WOS and Scopus. DOI: 10.1016/j.chaos.2015.01.022.

[44]   Gori, L., Guerrini. L., Sodini, M., 2015. A continuous time Cournot duopoly with delays. *Chaos, Solitons & Fractals (ISSN: 0960-0779)*, October, 79, 166-177. Rivista Classe A Anvur Area 13, WOS and Scopus. DOI: 10.1016/j.chaos.2015.01.020.

[45]   Gori, L., Guerrini, L., Sodini, M., 2015. Equilibrium and Disequilibrium Dynamics in Cobweb Models with Time Delays. *International Journal of Bifurcation and Chaos (ISSN: 0218-1274),* June, 25 (6). Rivista Classe A Anvur Area 13, WOS and Scopus. DOI: 10.1142/S0218127415500881.

[46]   Antoci, F., Sabatini, F., Sodini, M., 2015. Online and Offline Social Participation and Social Poverty Traps: Can Social Networks Save Human Relations? *Journal of Mathematical Sociology*

(0022-250X), July, 39 (4), 229-256. Rivista Anvur Area 13, WOS and Scopus. DOI: 10.1080/0022250X.2015.1022278.

[47] Dosi, G., Sodini, M., Virgillito, M., 2015. Profit-driven and demand-driven investment growth and fluctuations in different accumulation regimes, *Journal of Evolutionary Economics (ISSN: 0936-9937),* September 25 (4), 707–728. Rivista Classe A Anvur Area 13, WOS and Scopus. DOI: 10.1007/s00191-015-0406-8.

[48] Gori, L., Guerrini, L., Sodini, L., 2014. Heterogeneous fundamentalists in a continuous time model with delays. *Discrete Dynamics in Nature and Society (ISSN: 1026-0226),* August, Article ID 959514, 6 pages. Rivista Anvur Area 13, WOS and Scopus. DOI: 10.1155/2014/959514.

[49] Antoci, A., Guerrini, L., Sodini, M., Zarri, L. 2014. A two-sector model of economic growth with social capital accumulation, *Journal of Behavioral and Experimental Economics* (*ISSN: 2214-8043)*, December, 53, 56-65. Rivista Anvur Area 13, WOS and Scopus. DOI: 10.1016/j.socec.2014.08.002.

[50] Ferrara, M., Guerrini, L., Sodini, M., 2014. Stability and nonlinear dynamics in a Solow model with pollution, *Nonlinear Analysis: Modelling and Control (ISSN: 1392-5113),* August, 19 (4), 565–577. Rivista Anvur Area 13, WOS and Scopus. DOI: 10.15388/NA.2014.4.3.

[51] Fanti, L., Gori, L., Sodini, M., 2015. Nonlinear dynamics in a Cournot duopoly with isoelastic demand. *Mathematics and Computers in Simulation (ISSN: 0378-4754)*, February, 108, 129–143. Rivista Anvur Area 13, WOS and Scopus. DOI: 10.1016/j.matcom.2013.09.004.

[52] Gori, L., Guerrini, L., Sodini, M., 2014. Hopf bifurcation in a cobweb model with discrete time delays. *Discrete Dynamics in Nature and Society (ISSN: 1026-0226),* June, Article ID 137090, 8 pages. Rivista Anvur Area 13, WOS and Scopus. DOI: 10.1155/2014/137090.

[53] Gori, L., Sodini, M., 2014. Local and global bifurcations in an economic growth model with endogenous labour supply and multiplicative external habits. *Chaos: An Interdisciplinary Journal of Nonlinear Science (ISSN: 1054-1500),* 24 (1), March, Article ID 013122, 1-11. Rivista Classe A Anvur Area 13, WOS and Scopus. DOI: 10.1063/1.4865787.

[54] Fanti, L., Gori, L., Sodini, M., 2013. Nonlinear dynamics in a Cournot duopoly with different attitudes towards strategic uncertainty, *Abstract and Applied Analysis (ISSN: 1085-3375)*, November, Article ID 323290, 1-11. Rivista Classe A Anvur Area 13, WOS and Scopus. DOI: 10.1155/2013/323290.

[55] Guerrini, L., Sodini, M., 2014. Dynamic Properties of the Solow Model with Bounded Technological Progress and Time-to-Build Technology. *The Scientific World Journal (ISSN: 1537-744X), 2014,* March, Article ID 908629, 1-8. Rivista Anvur Area 13, WOS and Scopus. DOI:

10.1155/2014/908629.

[56]   Guerrini, L., Sodini, M., 2013. Dynamic properties of the Solow model with increasing or decreasing population and time-to-build technology. *Abstract and Applied Analysis (ISSN: 1085-3375),* October, Article ID 280925, 1-7. Rivista Classe A Anvur Area 13, WOS and Scopus. DOI: 10.1155/2013/280925.

[57]   Ferrara, M., Guerrini, L., Sodini, M., 2014. Nonlinear dynamics in a Solow model with delay and non-convex technology, *Applied Mathematics and Computation (ISSN: 0096-3003) 228* (1)*,* August, 1-12. Rivista Classe A Anvur Area 13, WOS and Scopus. DOI: 10.1016/j.amc.2013.11.082.

[58]   Guerrini, L., Sodini, M., 2013. Nonlinear dynamics in the Solow model with bounded population growth and time-to-build technology. *Abstract and Applied Analysis (ISSN: 1085-3375)*, October, Article ID 836537, 1-6. Rivista Classe A Anvur Area 13, WOS and Scopus. DOI: 10.1155/2013/836537.

[59]   Guerrini, L., Sodini, M., 2014. Persistent fluctuations in a dual model with frictions: The role of delays. *Applied Mathematics and Computation (ISSN: 0096-3003), 241* (1)*,* February, *371-379.* Rivista Classe A Anvur Area 13, WOS and Scopus. DOI: 10.1016/j.amc.2014.05.028.

[60]   Gori, L., Sodini, M., 2014. Indeterminacy and nonlinear dynamics in an OLG growth model with endogenous labour supply and inherited tastes. *Decisions in Economics and Finance (ISSN: 1593-8883),* 37 (1), April, 159–179. Rivista Classe A Anvur Area 13, Scopus. DOI: 10.1007/s10203-013-0146-x.

[61]   Antoci, A., Sodini M., Zarri, L., 2014. Relational consumption and nonlinear dynamics in an overlapping generations model. *Decisions in Economics and Finance (ISSN: 1593-8883),* 37 (1), April, 137-158. Rivista Classe A Anvur Area 13, Scopus. DOI: 10.1007/s10203-013-0147-9.

[62]   Naimzada, A.K., Sacco, P., Sodini M., 2013. Wealth-sensitive positional competition as a source of dynamic complexity in OLG models. *Nonlinear Analysis: Real World Applications (ISSN: 1468-1218),* 14 (1), February, 1-13. Rivista Classe A Anvur Area 13, WOS and Scopus. DOI: 10.1016/j.nonrwa.2012.04.007.

[63]   Antoci, F., Sabatini, F., Sodini, M. 2013. Economic growth, technological progress and social capital: the inverted U hypothesis. *Metroeconomica (ISSN: 0026-1386),* 64 (3), July, 401-431. Rivista Anvur Area 13, WOS and Scopus. DOI: 10.1111/meca.12007.

[64]   Antoci, F., Sabatini, F., Sodini, M., 2013. Bowling alone but tweeting together: the evolution of human interaction in the social networking era. *Quality and Quantity (ISSN: 0033-5177),* 48, July, 1911-1927. Rivista Classe A Anvur Area 13, WOS and Scopus. DOI: 10.1007/s11135-013-

9863-z.

[65] Fanti, L., Gori, L., Sodini, M., 2013. Complex dynamics in an OLG model of neoclassical growth with endogenous retirement age and public pensions. *Nonlinear Analysis: Real World Applications (ISSN: 1468-1218),* 14 (1), February, 829-841. Rivista Classe A Anvur Area 13, WOS and Scopus. DOI: 10.1016/j.nonrwa.2012.08.004.

[66] Fanti, L., Gori, L., Sodini, M., 2012. Nonlinear dynamics in a Cournot duopoly with relative profit delegation. *Chaos, Solitons & Fractals (ISSN: 0960-0779),* 45 (12), December, 1469-1478. Rivista Classe A Anvur Area 13, WOS and Scopus. DOI: 10.1016/j.chaos.2012.08.008.

[67] Antoci, A., Sabatini, F., Sodini, M., 2012. The Solaria syndrome: social capital in a growing hyper-technological economy. *Journal of Economic Behavior and Organization (ISSN: 0167-2681),* 81 (3), March, 802–14. Rivista Classe A Anvur Area 13, WOS and Scopus. DOI: 10.1016/j.jebo.2010.12.018.

[68] Antoci, A., Sabatini, F., Sodini, M., 2012. See you on Facebook! A framework for analyzing the role of computer-mediated interaction in the evolution of social capital. *Journal of Socio Economics (ISSN: 1053-5357),* 41 (5), October, 541–547. Rivista Anvur Area 13, WOS and Scopus. DOI: 10.1016/j.socec.2012.04.024.

[69] Landi, M., Sodini, M., 2012. An evolutionary analysis of turnout with conformist citizens. *Journal of Economic Dynamics & Control (ISSN: 0165-1889),* 36 (10), October, 1431–1447. Rivista Classe A Anvur Area 13, WOS and Scopus. DOI: 10.1016/j.jedc.2012.02.010.

[70] Gori, L., Sodini M., 2011. Nonlinear dynamics in an OLG growth model with young and old age labour supply: the role of public health expenditure. *Computational Economics (ISSN: 0927-7099),* 38 (3), October, 261–275. Rivista Anvur Area 13, WOS and Scopus. DOI: 10.1007/s10614-011-9283-x.

[71] Sodini, M. 2011. Local and Global Dynamics in an Overlapping Generations Model with Endogenous Time Discounting. *Computational Economics (ISSN: 0927-7099),* 38 (3), October, 277–293. Rivista Anvur Area 13, WOS and Scopus. DOI: 10.1007/s10614-011-9286-7.

[72] Naimzada, A., Sodini, M. 2010. Multiple Attractors and Nonlinear Dynamics in an Overlapping Generations Model with Environment. *Discrete Dynamics in Nature and Society (ISSN: 1026-0226),* June, Article ID 503695, 1-11. Rivista Anvur Area 13, WOS and Scopus. DOI: 10.1155/2010/503695.

[73] Antoci, A., Naimzada, A., Sodini, M., 2010. Local and Global Indeterminacy in an Overlapping Generation Model with Consumption Externalities. *Far East Journal of Applied Mathematics (ISSN: 0972-0960),* 47 (1), October, 65-83. Rivista Anvur Area 13. DOI: not

available

[74]   Antoci, A., Sodini, M., 2009. Indeterminacy, bifurcations and chaos in an overlapping generations model with negative environmental externalities. *Chaos, Solitons and Fractals (ISSN: 0960-0779),* 42 (3), November, 1439-1450. Rivista Classe A Anvur Area 13, WOS and Scopus. DOI: 10.1016/j.chaos.2009.03.055.

Book Chapters

[75] Antoci A., Borghesi, S., Iannucci G., Sodini M. 2022, Free allocation of emission permits to reduce carbon leakage: an evolutionary approach. In *Handbook on Trade Policy and Climate Change*, 2022 Michael Jakob (Editor), Edwar Gellar.

[76] Gori, L., Manfredi, P., Sodini, M., 2019. HIV/AIDS, Demography and Development: Individual Choices Versus Public Policies in SSA. In *Human Capital and Economic Growth: The Impact of Health, Education and Demographic Change*, Bucci, A., Prettner, K., Prskawetz, A. (Editors), Palgrave, 323-356. DOI: 10.1007/978-3-030-21599-6_10.

[77] Gori, L., Guerrini, L., Sodini, M., 2016. Different modelling approaches for time lag in a monopoly. In: *Essays in Economic Dynamics: Theory, Simulation Analysis, and Methodological Study (ISBN 978-981-10-1521-2)*. Matsumoto, A., Szidarovszky, F., Asada, T. (Editors), Springer, 81–98. Scopus. DOI: 10.1007/978-981-10-1521-2_5.

[78] Antoci, A., Borghesi, S., Sodini, M. 2015. ETS and Technological Innovation: A Random Matching Model. *The Oxford Handbook of the Macroeconomics of Global Warming (ISBN: 9780199856978).* Bernard, L., Semmler, W. (Editors), Oxford University Press, 376-397. DOI: 10.1093/oxfordhb/9780199856978.013.0016.

[79] Antoci, A., Naimzada, A., Sodini, M. 2010. Bifurcations and Chaotic Attractors in an Overlapping Generations Model with Negative Environmental Externalities. *Nonlinear Dynamics in Economics, Finance and Social Sciences: Essays in Honour of John Barkley Rosser Jr (ISBN 978-3-642-04023-8).* Bischi G.I., Chiarella C., Gardini L. (Editors), Springer-Verlag, 39-53, Scopus. DOI: 10.1007/978-3-642-04023-8_3.

[80] Martein, L. Sodini, M., 2009. Second order tangent sets. *Recent Developments on Mathematical Programming and Applications (ISBN: 978-88-548-2654-0).* Martein L., Carosi L. (Editors), Aracne Editrice, 67-79. DOI: not available.

Special Issue Introductions

[81] Gori L., Sodini M., 2019. Introduction to Metroeconomica special issue on Nonlinear Economic Dynamics (NED-CICSE 2017), *Metroeconomica.,* 70(3), 362-364 DOI: doi.org/10.1111/meca.12266.

[82] Antoci A.,Fiaschi D., Gori L., Sodini M., Introduction to Macroeconomic Dynamics Special Issue On New Tools for Global Analysis of Economic Dynamics, *Macroeconomic Dynamics,* DOI: doi:10.1017/S1365100519000439.

[83] Gardini L., Gori L., Guerrini L., Sodini M., 2018. Introduction to the focus issue "Nonlinear Economic Dynamics", *Chaos: An Interdisciplinary Journal of Nonlinear Science (ISSN: 1054-1500)* (28). DOI: 10.1063/1.5039304.

[84] Guerrini L., Gori L., Matsumoto A., Sodini M., Zhang Z., and Bianchi C., 2016. Time Delayed Equations as Models in Nature and Society, *Discrete Dynamics in Nature and Society (ISSN: 1026-0226)*, Article ID 1245765, Editorial (1 page). DOI: 10.1155/2016/1245765.

Indexes

Google Scholar (07-19-2020)

	All	From 2017
Citations	1085	663
H-index	17	13
I10-index	37	26

Researchgate (07-19-2022)

Citations	792
H-index	16 (excluding self-citations 13)

Scopus (07-19-2022)

Citations	582
H-index	1

Referee activity for the following journals

Abstract and Applied analysis (ISSN: 1085-3375); Applied Economics (ISSN:0003-6846); Applied Mathematics and Computation (ISSN: 0096-3003); Central European Journal of Operations Research (ISSN: 1613-9178); Chaos, An Interdisciplinary Journal of Nonlinear Science (ISSN: 1054-1500); Chaos Solitons and Fractals (ISSN: 0960-0779); Communications in Nonlinear Science and Numerical Simulation (ISSN: 1007-5704); Computational and Applied Mathematics (ISSN: 2238-3603); Computational Economics (ISSN: 0927-7099); Discrete Dynamics in Nature and Society (ISSN: 1026-0226); Economic Modelling (ISSN: 0264-9993); Entropy (ISSN: 1099-4300); Frontiers in Applied Mathematics and Statistics (ISSN: 2297-4687); International Journal of Non-linear mechanics (ISSN: 0020-7462); Japanese Economic Review (ISSN: 1352-4739); Journal of Economic Behavior and Organization (ISSN: 0167-2681); Journal of Environmental Economics and Policy (ISSN: 2160-6544); Journal of Evolutionary Economics (ISSN: 0936-9937); Journal of Mathematical Economics (ISSN: 0304-4068); Macroeconomic Dynamics (ISSN: 1365-1005); Mathematical Social Sciences (ISSN: 0165-4896); Mathematics and Computers in Simulation (ISSN: 0378-4754); Nonlinear Analysis: Modelling and control (ISSN: 1392-5113); Physica A (ISSN: 0378-4371); Risks (ISSN: 2227-9091); Structural Change and Economic Dynamics (ISSN: 0954-349X); Sustainability (ISSN: 2071-1050); The Journal of the Economics of Ageing (ISSN: 2212-8298); Water Resources Management (ISSN: 0920-4741); Economies (ISSN: 2227-7099); Energy Economics (ISSN: 0140-9883).

Editor Activity

2015: Guest Editor for the special issue: "Time Delayed Equations as Models in Nature and Society", Discrete Dynamics in Nature and Society (ISSN: 1026-0226).

2017: Guest Editor for the special issue: "Nonlinear Economic Dynamics", Chaos: An Interdisciplinary Journal of Nonlinear Science (ISSN: 1054-1500).

2017: Guest Editor for the special issue "New Tools for Global Analysis of Economic Dynamics", Macroeconomic Dynamics (ISSN: 1365-1005).

2017: Guest Editor for the special issue "NED -CICSE 2017", Metroeconomica (ISSN: 0026-1386).

2022: Guest Editor for the special issue "Nonlinear dynamics and complex system", Computational Economics (ISSN: 0927-7099).

Conferences (From 2008)

1. *Second FIMA International Conference Energy and Environment: new challenges to mathematical modelling and applications, Ayas-Champoluc, Aosta Valley (Italy), 21-24 January 2008.* Title of the talk: "Labour supply in a polluted world".

2. *Amases, National Conference, Trento, 01-04 September 2008.* Title of the talk: "Evolutionary dynamics of crime".

3. *MDEF (Modelli Dinamici in Economia e Finanza, Urbino, 2008, 25-27 September.* Title of the talk: "Bifurcations and Chaotic Attractors in an Overlapping Generations Model with Negative Environmental Externalities".

4. *International conference on formation and evolution of social and economic networks, Paris, 2009, 25-27 June.* Title of the talk: "Will growth and technology destroy social interaction? The inverted U-shape hypothesis".

5. *Amases, National Conference, Parma, 01-04 September 2009.* Title of the talk: "Strategic interactions and heterogeneity in an overlapping generations model with negative environmental externalities".

6. *Net 2010, Network, Topology and Dynamics, Milano, 2010, 14-16 June* Titles of the talks: "Local interactions in networks"; "Dynamics of SIR epidemic networks and simple demographic processes: a simulative approach with R"; "See you on Facebook: how time pressure and social networking are going to change human interactions".

7. *11th Workshop on Optimal Control, Dynamic Games and Nonlinear Dynamics, 31 May –2 June 2010*, University of Amsterdam, Amsterdam, The Netherlands. Title of the talk: "Strategic interactions and heterogeneity in an overlapping generations model with negative environmental externalities".

8. *Sixth Workshop MDEF 2010, Modelli Dinamici in Economia e Finanza*, 23–25 September 2010, University of Urbino, Italy. Title of the talk: "Local and global dynamics of an overlapping generations model with endogenous time discounting".

9. *International Conference on Nonlinear Economic Dynamics (NED 2011)*, 1–3, June 2011, Cartagena, Spain. Title of the talk: "Non-linear dynamics in an OLG model with relational goods".

10. *Amases 35th National Conference*, September 15th–17th, 2011, University of Pisa, Italy. Title of the talk: "Nonlinear dynamics in an OLG growth model with young and old age labour supply: the role of public health expenditure".

11. *12th Viennese Workshop on Optimal Control, Dynamic Games and Nonlinear Dynamics*, 30

May–2 June 2012, Vienna University of Technology, Vienna, Austria. Title of the talk: "Nonlinear dynamics in a Cournot duopoly with relative profit delegation".

12. *Seventh Workshop MDEF 2012, Modelli Dinamici in Economia e Finanza*, 20–22 September 2012, Department of Economics and Quantitative Methods, University of Urbino, Italy. Title of the talk: "Stability and Hopf bifurcation for a modified Solow-Swan growth model".

13. *World Congress of IFNA Athens, 25 June -1 July 2012*. Title of the talk: "An overlapping Generations Model with Environment".

14. *8th International Conference on Nonlinear Economic Dynamics (NED 2013)*, 4–6 July 2013, University of Siena, Siena, Italy. Title of the talk "Endogenous labor supply, endogenous lifetime and economic growth: local and global indeterminacy".

15. *Amases National Conference 2013, Stresa, 05-07 September 2013*. Title of the talk: *"Chaotic economic dynamics in an overlapping generations model with environment".*

16. *Amases National Conference 2014, Reggio Calabria, 04-06 September 2014.* Title of the talk: *"A nonlinear Cournot duopoly with advertising".*

17. 8th *Workshop MDEF 2014, Modelli Dinamici in Economia e Finanza*, 18-20 September, Urbino, Italy, 2014, Department of Economics and Quantitative Methods, University of Urbino, Italy. Title of the talk: *"A continuous time Cournot duopoly with delays".*

18. *9th NED 2015*, 25–27 June 2015, Chuo University, Tokyo, Japan, Title of the talk: "Chaos in Duopoly Pricing: A Re-examination with Time Delays".

19. *9th MDEF 2016*, 23–25 June 2016, University of Urbino, Italy Title of the talk "Disequilibrium dynamics in a Keynesian model with time delays".

20. *Amases 40th National Conference*, 15–17 September 2016, University of Catania, Italy. Title of the talk: "A contribution to the theory of fertility and economic development".

21. *PODE 2017 Progress on Difference Equations*, 29-31 May, University of Urbino, Italy Title of the talk: "Price competition in a nonlinear differentiated duopoly with isoelastic demand".

22. *10th NED 2017*, September 7th–9th, 2017, University of Pisa. Title of the talk: "Endogenous labour supply, endogenous lifetime and economic development".

23. *Amases 41st National Conference*, 14–16 September 2017, University of Cagliari, Italy. Title of the talk: "Efficiency-wage competition and nonlinear dynamics".

24. *17th International Conference in Public Economics (LAGV 2018)*, 25-26 June 2018, Aix-en-Provance, France. Title of the talk: "A contribution to the theory of economic development and the demographic transition: fertility reversal under the HIV epidemic".

25. *10th MDEF 2018*, 06–08 September 2018, University of Urbino, Italy Title of the talk:

"Nonlinear dynamics and indeterminacy in a Ramsey model with endogenous labour supply and environmental quality".

26. *Amases 42ⁿᵈ National Conference*, 13–15 September 2018, University of Napoli, Italy. Title of the talk*:* "Negative externalities, environmental degradation and global indeterminacy".

27. *11ᵗʰ NED 2019*, 04–06 September 2019, University of Kiev. Title of the talk: "Pollution, fertility and public policies".

28. *Amases 43ʳᵈ National Conference*, 09–11 September 2019, University of Perugia, Italy. Title of the talk*:* "A contribution to the theory of fertility and economic development".

29. *FSR Climate Annual Conference,* 28-29 November 2019, European University Institute, Italy. Title of the talk*:* "Living in an Uncertain World: Environment Substitution, Local and Global Indeterminacy".

30. *8th IAERE Annual Conference, 06-07* February 2020*,* Brescia, Italy. Title of the talk*:* "Living in an Uncertain World: Environment Substitution, Local and Global Indeterminacy".

31. *FMFFI (Financial management of firms and financial institution) 2021*, 06 September, Ostrava, Check Republic. Title of the talk*:* "Should I stay or should I go? Carbon leakage and ETS in an evolutionary model".

32. *12ᵗʰ NED 2021*, 13-15 September 2021, Milano, Italy. Title of the talk: " Should I stay or should I go? Carbon leakage and ETS in an evolutionary model".

33. *DISEI 2021 Workshop on Heterogeneity, Evolution and Networks in Economics*, 16-17, 2021, Florence. Title of the talk: " Politics of consensus and compromise".

34. Workshop "Debates for a New Economy" 15-17 December 2021, Naples. Title of the talk: " COVID‐19 epidemic and mitigation policies: Positive and normative analyses in a neoclassical growth model".

35. 27ᵗʰ International Conference on Difference Equations and Applications, 18-22 July 2022, Paris-Saclay, France. Title of the talk: "Endogenous preferences in a dynamic Cournot duopoly".

Organizing activity

36. *Amases 35ᵗʰ National Conference*, September 15th–17th, 2011, University of Pisa, Italy: Local

Organizer.

37. *10th NED 2017*, September 7th–9th, 2017, University of Pisa: Organizer.

38. *Amases 42ⁿᵈ National Conference*, 13–15 September 2018, University of Napoli, Italy. Organizer of the "Special Session: Nonlinear Economic Dynamics".

39. *Amases 43ʳᵈ National Conference*, 09–11 September 2019, University of Perugia, Italy. Organizer of the "Special Session: Nonlinear Economic Dynamics".

Invited Seminars

1. "Social capital, human capital, and fertility", Università Politecnica delle Marche, 2020.

2. "Private substitutes for environmental goods, labour supply, and economic growth dynamics", *International Workshop on the Economics of Climate Change and Sustainability*, 3-4 May 2019, Bologna, Italy.

3. "Negative externalities, environmental degradation and global indeterminacy", *International Workshop on the Economics of Climate Change and Sustainability*, 27-28 April 2018, Bertinoro, Forlì, Italy.

4. "Social capital, human capital and fertility", *59.ma Riunione Scientifica Annuale (RSA) della SIE – Società Italiana degli Economisti*, 25-27 October 2018, Bologna, Italy.

5. "Time delays and lags in economic models", *Workshop: A unifying approach in the study of complex systems: the role of heterogeneity and the concept of time in models and data*, 13-15 June 2018, Sant'Anna School of Advanced Studies, Pisa, Italy.

6. "Student Evaluation of Teaching (SET), social influence dynamics, and teachers' choices: An evolutionary model", *50th anniversary of the international journal "Quality & Quantity"*, 17-18 November 2017, Bologna, Italy.

7. "Nonlinear Dynamics and Indeterminacy in Overlapping Generations Models with Environmental Externalities", *Seminar Series*, 26 February 2014, Department of Economic sciences, University of Florence, Italy.

8. "Nonlinear Dynamics and Global Indeterminacy in an Overlapping Generations Model with Environmental Externalities", *Seminar Series*, 9 October 2013, Department of Economics, University of Pisa, Italy.

9. "Social Capital Fragility", *Workshop social economy for young economists,* 2010, Faculty of Economics, University of Bologna, Italy.

10. "Games with local interactions", *Seminar Series,* 2010, University of Milano, Bicocca, Italy.

07-29-2021

Mauro Sodini