

Alessio Muscillo

RESEARCHER (RTDA) · UNIVERSITY OF SIENA

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Positions

University of Siena, Dept. Economics and Statistics

ASSISTANT PROFESSOR (*Ricercatore a tempo determinato di tipo A*)

Siena

Jan 2022 - present

University of Siena, Dept. Economics and Statistics

POST-DOC (*Assegnista di ricerca*)

Siena

Feb 2018 - Dec 2021

Qualifications

Italian scientific qualification as Associate Professor (*II fascia*)

SECTOR 13/A1 - ECONOMICS (*Economia Politica*)

6 Dec 2023 - 6 Dec 2034

Education

Universities of Pisa, Florence and Siena (joint program)

PH.D. ECONOMICS

- Advisor: Paolo Pin
- Thesis: "Endogenous Diffusion in Social Networks"
- Committee: Leonardo Boncinelli, Jakob Grazzini, Roberto Patuelli

Pisa, Florence, Siena

Nov 2014 - Dec 2017

University of Pisa

M.SC. MATHEMATICS

- Advisors: Paolo Acquistapace, Juan A. Tejada Cazorla
- Thesis: "Discrete Models of Information Diffusion in Networks"

Pisa

Nov 2009 - Jul 2014

University of Pisa

B.SC. MATHEMATICS

- Advisor: Paolo Acquistapace
- Thesis: "Teoria ergodica ed entropia"

Pisa

Sep 2005 - Nov 2009

Publications

PUBLISHED

"An open data index to assess the green transition - A study on all Italian municipalities" (2023) with S. Re, S. Gambacorta, G. Ferrara, N. Tagliaferro, E. Borello, A. Rubino and A. Facchini, *Ecological Economics*

"Adolescents' opinions on COVID-19 vaccine hesitancy: hints toward enhancing pandemic preparedness in the future" (2023), with G. Lombardi, E. Sestini, F. Garbin, V. Tambone, L. L. Campanozzi and P. Pin, *Vaccines*

"Does 'network closure' beef up firms' performance?" (2023), with P. Pin, T. Razzolini and F. Serti, *Social Networks*

"A note on matricial ways to compute Burt's structural holes" (2023), *Symmetry*

"No-vaxxers are different in public good games" (2022), with M. Basili and P. Pin, *Scientific Reports*

"Efficiency and stability in a process of teams formation" (2022), with L. Boncinelli and P. Pin, *Dynamic Games and Applications*

- “Spreading of an infectious disease between different locations” (2021), with P. Pin and T. Razzolini, *Journal of Economic Behavior and Organization*
- “Covid19: unless one gets everyone to act, policies may be ineffective or even backfire” (2020), with P. Pin and T. Razzolini, *Plos One*

IN PREPARATION

- “Meat, Water, and Clothing: Insights into Italian Youth’s Willingness to Adopt Sustainable Behaviors”, with G. Lombardi, E. Sestini, P. Pin - *under review*
- “Exploring Trust-Building Mechanisms in Scientific Institutions: Insights from a Randomized Survey Experiment with Italian Adolescents”, with G. Lombardi, E. Sestini, F. Garbin, P. Pin - *under review*
- “The differentiated impact of low carbon and digital transition on large cities, small centres, and rural areas: a focus on Italian municipalities”, with A. Rubino, A. Facchini and F. Tavares
- “The Municipality Transition Index and its Impact on Higher Education Institutions’ Attractiveness in Italy”, with A. Rubino, A. Facchini and G. Lombardi
- “How do you know you won’t like it if you’ve never tried it? Preferences discovery and strategic bundling”, with S. Della Lena and P. Pin
- “Influence aggregation functions”, with J. Gonzalez Ortega and J. A. Tejada Cazorla
- “Exploration vs. exploitation in science”, with M. Chinazzi and A. Vespignani

Teaching Experience

2019-present	Mathematics , Ph.D. Economics	<i>Univ. Siena</i>
2019-20	Laboratory: programming skills for economics , M.Sc. Economics	<i>Univ. Siena</i>
2021-22	Social Network Analysis , M.Sc. Management and Computer Science – Teaching assistance for Xavier Venel	<i>LUISS Univ.</i>
2021-23	Computational Finance , M.Sc. Finance	<i>Univ. Siena</i>
2022-present	Precorso di Matematica Generale , B.Sc. Economia e Management (in Italian)	<i>Univ. Siena</i>
2023-present	Behaviour and Experiments in Social Sciences , B.Sc. Economics and Management	<i>Univ. Siena</i>

Other Research Experience

Universidad Complutense de Madrid FELLOWSHIP FOR MASTER THESIS ABROAD FROM UNIVERSITY OF PISA	<i>Madrid, Spain</i> <i>Sep 2013 - Jul 2014</i>
Bocconi University VISITING PHD STUDENT	<i>Milan, Italy</i> <i>Feb 2016 - Jul 2016</i>
Northeastern University – Network Science Institute VISITING PHD STUDENT	<i>Boston, USA</i> <i>Feb 2017 - Jul 2017</i>
Universidad Complutense de Madrid VISITING RESEARCHER	<i>Madrid, Spain</i> <i>Oct 2022</i>

Presentations

- 1-4 Jul 2014. *Influence aggregation models of information*, 1st European Conference on Social Networks, Universidad Autónoma de Barcelona, Spain
- 15-19 Sept 2014. Participation to summer school *Mathematics for Economics and Social Sciences*, Centro di Ricerca 'Ennio De Giorgi', Pisa, Italy
- 14 Jun 2016. Alberto Alesina's reading group, *Spreading of an infectious disease between different locations*, Bocconi University, Milan, Italy
- 12 Oct 2016. *Spreading of an infectious disease between different locations*, Università Cattolica, Milan, Italy
- 19 Dec 2017. *Exploration and exploitation in science*, WICK workshop 'Economics for innovation, complexity and knowledge', University of Turin and Collegio Carlo Alberto, Turin, Italy
- 7 Feb 2018. *Exploration and exploitation in science*, 'La Strada Seminars', Bocconi University, Milan, Italy
- 3-4 May 2018. *Exploration-exploitation dilemma and performance in science*, Conference 'Rethinking Clusters', University of Florence, Italy
- 7 Jul 2020. *An index for the ecological and digital transition based on open data: an application to all 8,000 Italian municipalities*, University of Pisa, Italy
- 16 Jun 2021. *An index for the ecological and digital transition based on open data: an application to all 8,000 Italian municipalities*, University of Siena, Italy
- 30 Sept 2021. *Measuring city circularity in a wide perspective: a case study on two Italian cities*, presentation at EcoCity World Summit 2021
- 11 Oct 2022. *Learning and selling with incomplete preferences*. Universidad Complutense de Madrid, Madrid, Spain
- 16 Mar 2023. *Linkages between Local Government Sustainability Performance and Students' Mobility: Evidence from Italy*. CIBES Conference, Istanbul, Turkey
- 15-17 Jun 2023. *Linkages between Local Government Sustainability Performance and Students' Mobility: Evidence from Italy*. 20th STOREP Annual Conference, Bari, Italy
- 22-24 Jun 2023. *How do you know you (won't) like it if you've never tried it? Preference discovery and strategic bundling*. 26th Annual Workshop on Economic Science with Heterogeneous Interacting Agents (WEHIA), Koper, Slovenia
- 28 Aug-1 Sept 2023. *Linkages between local government sustainability performance and students' mobility: evidence from Italy*. ERSA 62nd Congress 2023, Alicante, Spain
- 7-8 Sept 2023. *How do you know you (won't) like it if you've never tried it? Preference discovery and strategic bundling*. DISEI 2nd Workshop on Heterogeneity, Evolution and Networks in Economics, Firenze, Italy
- 19-21 Oct 2023. *The Municipality Transition Index and its Impact on Higher Education Institutions' Attractiveness in Italy*. 64th Annual Conference of the Italian Economic Association (SIE), L'Aquila, Italy

Outreach & Professional Development

ORGANIZATION OF EVENTS

Organization of annual meeting *Young Economists of Tuscan Institutions* (YETI).

EDITOR FOR PEER-REVIEWED JOURNALS

Guest editor for Special Issue "Game Theory and Social Networks in Mathematics and Economics" for the journal *Mathematics*

REFeree FOR PEER-REVIEWED JOURNALS

Plos One; Social Choice and Welfare; Network Science; Journal of Economic Interaction and Coordination; Heliyon; Communications Earth & Environment; Economic Notes; Scientific Reports

SCIENTIFIC DISSEMINATION

2021-2022. Collaboration with non-profit foundation *Fondazione Mondo Digitale*.

- 11 Feb 2022. Presentation in event *Fattore J - Costruttori di fiducia nella scienza e nella ricerca*, Bologna, Italy
- 12 Feb 2022. Interview for *GR2* on *Rai Radio2* and for *la Repubblica* about “Trust in science and medicine among adolescents in high schools”.
- 30 May 2022. Presentation in event *Il 1° manifesto della salute scritto in modalità collaborativa: dai giovani per i giovani per un futuro di scienza*, Palazzo Pirelli - Regione Lombardia, Milan, Italy
- 19 Jul 2022. Presentation in event *Sostenibilità e comunità energetiche*. IKIGAI Innovation Hub, Siena, Italy

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