

Stefano Matta

Curriculum Vitae

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Personal Data

Place/Date of birth: Cagliari (1970)
Citizenship: Italian
Marital status: married

Current Position

2014 - present Associate Professor of Economics, University of Cagliari

Past Position

2006- 2014 Assistant Professor of Economics, University of Cagliari

Visiting

August 2007 National University of Singapore

Education

2005 PhD in Economics, Cagliari (Italy)

2003 MSc in Economics, Essex (UK)

1993 BSc in Economics, Cagliari (Italy)

Honors

2001–2004 PhD Scholarship

1990–1993 BSc Studentship

Research Interests

My research activity primarily falls within the field of economic theory:

Manipulations of endowments and sunspot equilibria

Redistributive policies, price discontinuities, and uniqueness of equilibrium

Catastrophes minimization

Smooth selection of prices, structural stability, and bounded rationality

Properties of regular and critical economies

Entropy, curvature, and uniqueness of equilibrium

Risk aversion and uniqueness of equilibrium

Information geometry and robustness of statistical models

Publications

- 2023 “A note on local uniqueness of equilibria: How isolated is a local equilibrium?” (*Economics Bulletin*, forthcoming)
- 2023 “Robustness of statistical manifolds” (joint with Andrea Loi), *Topology and its Applications*, 327, <https://doi.org/10.1016/j.topol.2023.108438>
- 2023 “Equilibrium selection under changes in endowments: A geometric approach (joint with Andrea Loi and Daria Uccheddu), *Journal of Mathematical Economics*, 108, <https://doi.org/10.1016/j.jmateco.2023.102890>
- 2022 “Risk Aversion and Uniqueness of Equilibrium in Economies with Two Goods and Arbitrary Endowments” (joint with Andrea Loi), *The B.E. Journal of Theoretical Economics*, <https://doi.org/10.1515/bejte-2021-0150>
- 2021 “Minimal entropy and uniqueness of price equilibria in a pure exchange economy” (joint with Andrea Loi) *Journal of Mathematical Economics*, 97, pp. 1-6.
- 2018 “Curvature and uniqueness of equilibrium” (joint with Andrea Loi) *Journal of Mathematical Economics*, 74, 62-67.

- 2016 “On the topology of the set of critical equilibria” (joint with Andrea Loi) *International Journal of Economic Theory*, 12, 107-126.
- 2015 “Increasing complexity in structurally stable models: An application to a pure exchange economy” (joint with Andrea Loi) *Journal of Mathematical Economics*, 57, pp. 20-24.
- 2012 “Structural stability and catastrophes” (joint with Andrea Loi) *Economics Bulletin*, Vol.32, no.44, pp. 3378-3385
- 2012 “Measures of economies with an arbitrarily large number of equilibria” (joint with Andrea Loi), *International Journal of Economic Theory*, 8, pp. 337-343.
- 2011 “Catastrophes minimization on the equilibrium manifold” (joint with Andrea Loi), *Journal of Mathematical Economics*, 47, pp. 617-620.
- 2010 “A note on the structural stability of the equilibrium manifold” (joint with Andrea Loi), *Journal of Mathematical Economics*, 46, pp. 591-594.
- 2009 “Evolution paths on the equilibrium manifold” (joint with Andrea Loi), *Journal of Mathematical Economics*, vol. 44, pp. 854-859
- 2008 “Geodesics on the equilibrium manifold” (joint with Andrea Loi), *Journal of Mathematical Economics*, vol. 44, pp. 1379-1384
- 2008 “Manipulation of endowments and sunspot equilibria” (joint with Aditya Goenka), *Economic Theory*, 36, pp. 267-282
- 2006 “A Riemannian metric on the equilibrium manifold: the smooth case” (joint with Andrea Loi), *Economics Bulletin*, Vol.4, no.30, pp.1-9
- 2005 “A Riemannian metric on the equilibrium manifold”, *Economics Bulletin*, Vol.4, no.7, pp.1-7

Working papers

- 2023 “Endowments, patience types, and uniqueness in two-good HARA utility economies”, (joint with Andrea Loi), [link](#)

2023 “Uniqueness of equilibrium and redistributive policies: a geometric approach to efficiency” (joint with Andrea Loi and Daria Uccheddu), [link](#)

Participation in research projects

2019 STAGE - ”STatistics, Algebra, Geometry and Economics”, project financed by Fondazione di Sardegna – L.R. 7/2007.

2016 “Economic Growth, Cultural Values and Institutional Design: Theory and Empirical Evidence”, project financed by Fondazione di Sardegna – L.R. 7/2007.

2015 “Real and Complex Manifolds; Geometry, Topology and Harmonic Analysis — Italy and also by INdAM. GN-SAGA — Gruppo Nazionale per le Strutture Algebriche, Geometriche e le loro Applicazioni, PRIN project.

2010 “Una rilettura del carattere dualistico dell’economia italiana alla luce dei nuovi schemi interpretativi emersi dal dibattito teorico ed empirico”, project financed by Regione Autonoma della Sardegna.

Conferences organized

2023 Co-organizer and Chair of the Scientific Committee of *Islands of Europe: I Intercultural Forum*, [link](#)

Presentations

2018 SIE, Bologna (Italy)

2016 SIE, Bocconi Milan (Italy)

2016 GEdays, York (UK)

2014 GEdays, York (UK)

2009 Public Economic Theory Annual Conference, Galway (Ireland)

2008 XVII European Workshop on General Equilibrium Theory, Peastum (Italy)

2007 Fourth Asian General Equilibrium Theory Workshop, Singapore

2006 Arne Ryde Memorial Lectures, Lund (Sweden)

2005 Public Economic Theory Meeting, Marseille (France)

Teaching

2007 - present	Microeconomics, Macroeconomics (Undergraduate)
2019 - present	Economics of Networks (Graduate)
2015 - 2017	Economics (Undergraduate)
2014 - 2015	Topics in Microeconomics (Graduate)
2006 - 2010	General Equilibrium Theory (Graduate and PhD)

Supervision

2006 - present	Supervision of Final Year Undergraduate Dissertations in the Economics and Business Management Degree Programme
2021 - present	Supervision of Graduate Dissertations in the Data Science, Business Analytics and Innovation Degree Program

Administrative Experience

2017- July 2021	Coordinator of the Master's Degree in Data Science, Business Analytics and Innovation, University of Cagliari
2019 - 2020	Participation in the board of the International PhD program in Economics and Business Sciences, University of Cagliari
2008	Organized the visit of professor Aditya Goenka, National University of Singapore
2007	Organized the visit of professor Aditya Goenka, National University of Singapore

Refereeing

Refereeing for Journal of Mathematical Economics, Economics Bulletin, Bulletin of Economic Research, Journal of Economic Geography, International Journal of Economic Theory

Consulting Experience

1995 - 2006	Chartered Accountant
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Cagliari, November 16, 2023