

Curriculum Vitae

ELENA LAUREANA del MERCATO

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FIELDS

- Microeconomic Theory
- Externalities, Public Goods, Incomplete Financial Markets
- Optimization, Differential Topology

CURRENT POSITIONS

2008-present: *Maître de Conférences*, UFR 27, University Paris 1 Panthéon-Sorbonne, Paris, France.

2009-present: Researcher, Paris School of Economics (PSE), Paris, France.

2009-present: Member, Comité Consultatif Scientifique, UFR 27, University Paris 1 Panthéon-Sorbonne, Paris, France.

2008-present: Researcher, Centre d'Economie de la Sorbonne (CES), CNRS-University Paris 1 Panthéon-Sorbonne, Paris, France.

2006-present: Researcher, Centre for Studies in Economics and Finance (CSEF): Bocconi University, University of Naples "Federico II" and University of Salerno, Italy.

2005-present: Member, Ph.D. Program in Public Economics, University of Salerno, Italy.

EDUCATION

2007: "Qualification aux fonctions de Maître de Conférences", Section 05 (Economics) and Section 26 (Applied mathematics), *Departement of National Education of Higher Education and Research*, France.

2004 (February): Ph.D. in Mathematics for Economic Decisions, with *fellowship*, University of Pisa, Italy.

- Thesis title: "Three Market Imperfections in the General Equilibrium Model."

- Thesis supervisor: *A. Villanacci* (University of Florence, Italy).

- Committee: *J.-M. Bonnisseau* (Président), University Paris 1 Panthéon-Sorbonne, France, *D. Menicucci*, University of Florence, Italy, *M.G. Graziano*, University of Naples "Federico II", Italy.

1999 (November): Master of Sciences (*Laurea*) in Mathematics, University of Naples "Federico II", Italy. Grade: *summa cum laude*. Master's Dissertation in Mathematical Economics, title: "Welfare Analysis in a General Equilibrium Model with an Infinite Dimensional Commodity Space." Thesis advisor: *V. Aversa* (University of Naples "Federico II", Italy).

PAST POSITIONS

2004-2008: Assistant Professor (*Ricercatore*), Department of Economics and Statistics, University of Salerno, Italy.

2005-2008: Supervisor for the domain Mathematical Methods for Economics, Ph.D. Program in Public Economics, University of Salerno, Italy.

2003: Research Fellow in "General Equilibrium and Games Theory", Department of Mathematics for Economic Decisions (DIMAD), University of Florence, Italy.

VISITING POSITIONS

- 2007: Visiting Assistant Professor and Oswald Fellow, Department of Economics, The University of Kansas, Lawrence, USA (invited by *J. Sicilian*), October-December.
- 2007: Visiting Scholar, Department of Economics and Business, University Pompeu Fabra, Barcelona, Spain (invited by *A. Mas-Colell*), February-July.
- 2005-2006: Visiting Researcher, Centre d'Economie de la Sorbonne, University Paris1 Panthéon-Sorbonne-CNRS, Paris, France (invited by *B. Cornet*), February-June.
- 2003: Visiting Researcher, CERMSEM, University Paris1 Panthéon-Sorbonne-CNRS, Paris, France (invited by *B. Cornet*), September-December.
- 2000: Visiting Scholar, Ph.D. Program in Economics, Department of Economics, University of Pennsylvania, Philadelphia, USA (invited by *D. Cass*), September-December.

ORGANIZATION OF INTERNATIONAL CONFERENCES AND SEMINARS

- 2009: Member, Organizing and Scientific Committees, "Sorbonne Workshop in Economic Theory", Centre d'Economie de la Sorbonne (CES) and University Paris 1 Panthéon-Sorbonne, June 24-27, Paris, France. http://docs.google.com/View?docID=d8tnznv_1sggqhcdx&revision=latest&hgd=1
- 2008: Chair of the Organizing Committee, and member of the Scientific Committee, "XVII European Workshop on General Equilibrium Theory", University of Salerno, July 13-15, Paestum, Italy. http://www.unisa.it/Dipartimenti/DISES/ge_europe08.php
- 2007-2008: Member, Organizing and Scientific Committees, "Seminars of Economics", CSEF, University of Naples "Federico II" and University of Salerno, Italy.
- 2007: Member, Organizing and Scientific Committees, "4th Workshop for Italian Ph.D. Students in Economics (WISE)", CSEF and University of Salerno, Italy.
- 2004-2006: Organizer, "Seminars of Mathematics Applied to Economics and Finance", Department of Economics, University of Salerno, Italy.

FUNDED RESEARCH PROJECTS

- 2006-present: Member, *Research Networking Programme* "Public Goods, Public Projects, Externalities" funded by *European Science Foundation* (ESF). Director: *M. Florenzano*, CNRS, France. <http://www.pgppe.cnrs.fr>
- 2007-2009: Member, National Research Project (PRIN) "Acquisition Sale and Aggregation of Information in Competitive Financial Markets" funded by *Italian Department of Scientific Research*, Italy. Director: *A. Bennardo*, University of Salerno, Italy.
- 2008: Director, Research Project "Economic Policies in the Presence of Strategic Interactions and Externalities" funded by *Department of Economics*, University of Salerno, Italy.
- 2007: Director, Research Project "Possibility of Choice and Social Welfare in Competitive Markets" funded by *Department of Economics*, University of Salerno, Italy.
- 2006: Director, Research Project "Externalities and Public Goods in Competitive Markets" funded by *Department of Economics*, University of Salerno, Italy.
- 2005-2006: Member, National Research Project (PRIN) "Global Analysis and Non-linear Dynamics: Macroeconomic and Microeconomic Models" funded by *Italian Department of Scientific Research*, Italy. Director: *F. Gori*, University of Florence.
- 2003-2004: Member, National Research Project (PRIN) "Dynamics and Economics: Non-linear Analysis and Differential Topology" funded by *Italian Department of Scientific Research*, Italy. Director: *F. Gori*, University of Florence, Italy.
- 2002: Director, Research Project "Global Equity and Local Micro-Markets" funded by *Department of Mathematics for Economic Decisions*, University of Florence, Italy.
- 2001-2002: Member, National Research Project (PRIN) "Dynamic Models in Economics and Finance" funded by *Italian Department of Scientific Research*, Italy. Director: *F. Gori*, University of Florence, Italy.

EDITORIAL ACTIVITIES

- Guest Editor, Special Issue “General Equilibrium Conferences 2008”, *Journal of Mathematical Economics*, vol. 45, 2009.
- Referee for: *Journal of Mathematical Economics*, *Mathematical Social Sciences*, *Mathematics and Financial Economics*.

PUBLISHED REFEREED PAPERS

- “Existence of Competitive Equilibria with Externalities: a Differential Viewpoint”, *Journal of Mathematical Economics*, 42, 2006, pp. 525-543.
- “Edgeworth and Lindhal Equilibria of a General Equilibrium Model with Private Provision of Public Goods”, with *M. Florenzano*, *Journal of Public Economic Theory*, 8, 2006, pp. 713-740.
- “Taxes and Money in Incomplete Financial Markets”, with *A. Villanacci*, *Decisions in Economics and Finance*, 29, 2006, pp. 23-54.
- “General Consumption Constraints and Regular Economies”, with *J.-M. Bonnisseau*, *Journal of Mathematical Economics*, 44, 2008, pp. 1286-1301.
- “Externalities, Consumption Constraints and Regular Economies”, with *J.-M. Bonnisseau*.
Accepted for publication on *Economic Theory* (April 7, 2009 - DOI: 10.1007/s00199-009-0464-y).

RESEARCH PAPERS PRESENTED: 2009

- “18th European Workshop on General Equilibrium Theory”, University Pompeu Fabra, Barcelona, Spain
- “The SAET Conference on Current Trends in Economics”, Ischia (Naples), Italy
- “General Equilibrium Day”, University of York, York, UK

RESEARCH PAPERS PRESENTED: 2008

- “4th Annual CARESS-COWLES Conference on General Equilibrium and Its Applications”, University of Pennsylvania, Philadelphia, USA
- “Séminaires d'intégration au CES”, Centre d'Economie de la Sorbonne (CES), CNRS-Université Paris 1 Panthéon-Sorbonne, Paris, France

RESEARCH PAPERS PRESENTED: 2007

- “Conference on Economic Theory”, Department of Economics, The University of Kansas, Lawrence, USA.
- “Seminars of Microeconomics”, Department of Economics, University of Illinois at Urbana-Champaign, USA
- “Seminars of Economics”, Department of Economics, The University of Kansas, Lawrence, USA
- “The SAET Conference on Current Trends in Economics”, Kos, Greece
- “Joint Micro, Finance and Statistics Seminar”, Department of Economics and Business, University Pompeu Fabra, Barcelona, Spain
- “XXXI Amases Conference”, Lecce, Italy

RESEARCH PAPERS PRESENTED: 2006

- “15th European Workshop on General Equilibrium Theory”, Lisbon, Portugal
- “Seminars of Mathematics for Economics”, Department of Mathematics for Economic Decisions, University of Florence, Italy
- “Seminars of Economics”, Centre for Studies in Economics and Finance (CSEF), Salerno, Italy
- “XXX Amases Conference”, Trieste, Italy

RESEARCH PAPERS PRESENTED: 2005

- “SAET Conference on Economics”, Vigo, Spain
- “International Conference on Public Economics Theory”, Marseille, France
- Seminars “Colloquium du CERMSEM”, University Paris1 Panthéon-Sorbonne, Paris, France
- “Seminars of Economics”, Centre for Studies in Economics and Finance (CSEF), Salerno, Italy
- “Seminars of Economics”, Bocconi University, Milan, Italy

RESEARCH PAPERS PRESENTED: 2004

- “13th European Workshop on General Equilibrium Theory”, Venice, Italy
- “Seminars of Mathematics for Economics”, Department of Mathematics for Economic Decisions, University of Florence, Italy
- “Seminars of Mathematics for Economics”, Department of Mathematics and Statistics, University of Naples “Federico II”, Italy
- “XXVIII Amases Conference”, Modena, Italy
- “XI Cartemi Conference”, Ischia (Naples), Italy

RESEARCH PAPERS PRESENTED: 2003

- Seminars “Colloquium du CERMSEM”, University Paris1 Panthéon-Sorbonne, Paris, France
- Seminars “Rencontres du Troisième Cycle”, University Paris1 Panthéon-Sorbonne, Paris, France
- “Seminars of Economics”, Centre for Studies in Economics and Finance (CSEF), Salerno, Italy

MASTER AND PhD THESIS SUPERVISION

- 2009-present: Co-supervisor, Ph.D. in Applied Mathematics, Doctoral School of Economics (*École Doctorale d'Économie*), Université Paris 1 Panthéon-Sorbonne, Paris, France. Thesis in progress. Student: Vincenzo Platino.
- 2009: Advisor, Master M1 (*TER - Travail d'Étude et de Recherche*) in Mathematics Applied to Economics and Finance (MAEF), Université Paris 1 Panthéon-Sorbonne, France. Title: “The Kyoto Protocol: global optimality, Nash equilibrium, and market quotas.” Student: Victoire Dubrujeaud.
- 2008: Advisor, Master of Sciences (*Laurea*) in Mathematics, University of Salerno, Italy. Title: “General Equilibrium Theory: a Differentiable Viewpoint.” Student: Anna Bussi.
- 2006: Advisor, Master M1 (*Laurea triennale*) in Economics, University of Salerno, Italy. Title: “Logical Foundations of the Theory of Consumption.” Student: Maria Lucia Bianchino.

TEACHING

- 2008-2010: Lecturer, Microeconomics 1B, Erasmus Mundus Master “Models and Methods of Quantitative Economics (QEM)” and Master 1 “Mathematical Methods in Economics and Finance (MMEF)”, Université Paris 1 Panthéon-Sorbonne, France.
- 2008-2010: Lecturer, Markets, Equilibrium and Optimum, Undergraduate Program in Mathematics Applied to Social Sciences (MASS), Université Paris 1 Panthéon-Sorbonne, France.
- 2008-2010: Tutorial, Optimization B, Erasmus Mundus Master “Models and Methods of Quantitative Economics (QEM)” and Master 1 “Mathematical Methods in Economics and Finance (MMEF)”, Université Paris 1 Panthéon-Sorbonne, France.
- 2008-2009: Lecturer, Public Microeconomics, Master 1 “Mathematics Applied to Economics and Finance (MAEF)”, Université Paris 1 Panthéon-Sorbonne, France.
- 2007: Lecturer, Graduate Optimization Theory (ECON 800), Ph.D. Program in Economics, Department of Economics, The University of Kansas, Lawrence, USA.
- 2006-2008: Lecturer, Optimization, Ph.D. Program in Public Economics, University of Salerno, Italy.
- 2004-2008: Lecturer, Mathematical Methods for Economics, Undergraduate Program in Economics, University of Salerno, Italy.

- 2003: Teaching assistant, Mathematical Methods for Economics, Undergraduate Program in Economics, University of Florence, Italy.
- 2002: Lecturer, Measure Theory, Ph.D. Program in Mathematics for Economic Decisions, University of Florence, Italy.
- 2001-2002: Teaching assistant, Linear Algebra and Topology, Ph.D. Program in Mathematics for Economic Decisions, University of Florence, Italy.
- 2001: Teaching assistant, Mathematical Analysis, Undergraduate Program in Statistics, University of Florence, Italy.

CONFERENCES PARTICIPATION BY INVITATION

- 2009: “5th Annual CARESS-COWLES Conference on General Equilibrium and Its Applications”, Cowles Foundation for Research in Economics, Yale University, USA.
- 2009: “The SAET Conference on Current Trends in Economics”, Ischia (Naples), Italy. *Session Chair*.
- 2008: “PGPPE08 Workshop. Public goods and public policy: Competition, Regulation, Incentives, Gouvernance”, Bonn, Germany.
- 2007: “3rd Annual CARESS-COWLES Conference on General Equilibrium and Its Applications”, Cowles Foundation for Research in Economics, Yale University, USA.
- 2007: “First PGPPE Workshop. Modelling public goods and public policy: Past, present and future prospects”, CIRM, Marseille-Luminy, France. *Session Chair*.
- 2006: “2nd Annual CARESS-COWLES Conference on General Equilibrium and Its Applications”, Cowles Foundation for Research in Economics, Yale University, USA.
- 2006: “Symposium in Honor of Robert Aumann”, Center for Game Theory in Economics, Stony Brook University, USA.
- 2005: “HEC Economic Workshop in Honor of Andreu Mas-Colell”, HEC, Paris, France.
- 2005: “First Annual CARESS-COWLES Conference on General Equilibrium and Its Applications”, Cowles Foundation for Research in Economics, Yale University, USA.
- 2004: “Conference in Honor of Dave Cass”, University of Pennsylvania, Philadelphia, USA.