

CURRICULUM VITAE

DI

VINCENZO SCALZO

formazione universitaria

1999: Laurea (con lode) in Matematica, conseguita presso l'Università di Napoli Federico II
Tesi: *Disequazioni Variazionali e Teoria dell'Equilibrio Economico Generale*.

2004: Dottorato di Ricerca in Matematica per l'Analisi Economica e la Finanza
conseguito presso l'Università di Napoli Federico II
Tesi: *Social Nash equilibria : Variational Stability and Approximations*.

03/2005 – 10/2006: Assegno di Ricerca in *Disequazioni Variazionali e Quasi-Variazionali Vettoriali*, Dipartimento di Matematica e Applicazioni R. Caccioppoli, Università di Napoli Federico II.

titoli accademici

Abilitazione Scientifica Nazionale per il ruolo di Professore Ordinario nei settori concorsuali:

13/D4 Metodi Matematici dell'Economia e delle Scienze Attuariali e Finanziarie

13/A1 Economia Politica

posizioni accademiche

17/09/2018 – ad oggi

Professore Ordinario in Metodi Matematici dell'Economia e delle Scienze Attuariali e Finanziarie (SC 13/D4 – S.S.D. SECS-S/06).

Sede: Dipartimento di Scienze Economiche e Statistiche, Università di Napoli Federico II.

14/11/2014 – 16/09/2018

Professore Associato in Metodi Matematici dell'Economia e delle Scienze Attuariali e Finanziarie (SC 13/D4 – S.S.D. SECS-S/06).

Sede: Dipartimento di Scienze Economiche e Statistiche, Università di Napoli Federico II.

01/11/2006 – 13/11/2014

Ricercatore Universitario in Metodi Matematici dell'Economia e delle Scienze Attuariali e Finanziarie (SC 13/D4 – S.S.D. SECS-S/06).

Sede: Dipartimento di Scienze Economiche e Statistiche, Università di Napoli Federico II.

attività e incarichi in ambito accademico

Segretario della Commissione ASN tornata 2018-2020 per il SC 13/D4.

Componente del Collegio Docenti del Dottorato in Economia XXIX – XXXVI ciclo (membro del gruppo dei sedici docenti di riferimento) del Dipartimento di Scienze Economiche e Statistiche, Università di Napoli Federico II.

Promotore di Scambi Erasmus con le Università di Vigo (Spagna) e di Santiago di Compostela (Spagna).

Insegnamenti (Università di Napoli Federico II): Metodi Matematici, Corso di Studi Triennali in Economia Aziendale; Teoria delle Decisioni, Corso di Studi Magistrali in Economia e Commercio.

interessi di ricerca

Esistenza e stabilità di equilibri e di equilibri deboli in giochi discontinui. Matematica per la Teoria dei Giochi e per l'Economia.

pubblicazioni su riviste internazionali (scopus h-index = 9 ; WoS h-index = 8)

28. *Non-emptiness of the alpha-core: sufficient and necessary conditions* (with A. Basile), *International Journal of Game Theory*, Online First (2020)

27. *Existence of strong equilibrium in discontinuous games*, *Journal of Mathematical Analysis and Applications* 491 (1), Article 124247 (2020)

26. *On the uniqueness of Nash equilibrium in discontinuous ordinal and normal form games*, *Economic Theory Bulletin* 8, 163 – 168 (2020)

25. *Equilibrium existence in games: slight single deviation property and Ky Fan minimax inequality*, *Journal of Mathematical Economics* 82, 197 - 201 (2019)

24. *Continuity properties of the Nash equilibrium correspondence in a discontinuous setting*, *Journal of Mathematical Analysis and Applications*, 473, 1270-1279 (2019)

23. *A new view on Arrovian dictatorship in a fuzzy setting* (with A. Basile), *Fuzzy Sets and Systems* 349, 99 – 106 (2018)

22. *Weak maximal elements and weak equilibria in ordinal games with applications to exchange economies*, *Economic Theory Bulletin* 6 (1), 29-39 (2018)

21. *Remarks on the existence and stability of some relaxed Nash equilibrium in strategic form games*, *Economic Theory* 61, 571–586 (2016)

20. *On the existence of maximal elements, fixed points and equilibria of generalized games in a fuzzy environment*, *Fuzzy Sets and Systems* 272, 126–133 (2015)

19. *On the existence of essential and trembling-hand perfect equilibria in discontinuous games*, *Economic Theory Bulletin* 2 (1), 1-12 (2014)

18. *Essential equilibria of discontinuous games*, *Economic Theory* 54 (1) , 27-44 (2013)

17. *Discontinuous stable games and efficient Nash equilibria*, Economics Letters 115 (3), 387-389 (2012)
16. *Existence of equilibrium prices for discontinuous excess demand correspondences*, The AUCO Czech Economic Review 5 (2), 203-210 (2011)
15. *Fuzzy interval cooperative games* (with L. Mallozzi, S. Tijs), Fuzzy Sets and Systems 165, 103-110 (2011)
14. *Existence of minmax points in discontinuous strategic games*, Journal of Mathematical Analysis and Applications 374, 331-333 (2011)
13. *Pareto efficient Nash equilibria in discontinuous games*, Economics Letters 107 (3), 364-365 (2010)
12. *Lower convergence of approximate solutions to vector quasi-variational problems* (with M. B. Lignola, J. Morgan), Optimization 59 (6), 821-832 (2010)
11. *Hadamard well-posedness in discontinuous non-cooperative games*, Journal of Mathematical Analysis and Applications 360, 697-703 (2009)
10. *On the uniform convergence in some classes of non-necessarily continuous functions*, International Journal of Contemporary Mathematical Sciences 4 (13), 617-624 (2009)
9. *Pseudocontinuity is necessary and sufficient for order-preserving continuous representations*, Real Analysis Exchange 34 (1), 239-248 (2009)
8. *Variational stability of social Nash equilibria* (with J. Morgan), International Game Theory Review 10 (1), 17-24 (2008)
7. *Asymptotical behavior of finite and possible discontinuous economies* (with J. Morgan), Economic Theory 33 (2), 407-412 (2007)
6. *Pseudocontinuous functions and existence of Nash equilibria* (with J. Morgan), Journal of Mathematical Economics 43 (2), 174-183 (2007)
5. *Discontinuous but well-posed optimization problems* (with J. Morgan), SIAM Journal on Optimization 17 (3), 861-870 (2006)
4. *Vector Quasi-Variational Inequalities under Perturbations* (with M. B. Lignola and J. Morgan), Pacific Journal of Optimization 2 (3), 599-609 (2006)
3. *New results on value functions and applications to MaxSup and MaxInf problems* (with J. Morgan), Journal of Mathematical Analysis and Applications 300 (1), 68-78 (2004)
2. *Pseudocontinuity in optimization and non-zero sum games* (with J. Morgan), Journal of Optimization Theory and Applications 120 (1), 181-197 (2004)
1. *Approximate fixed point theorems in Banach spaces with applications in game theory* (with R. Branzei, J. Morgan, S. Tijs), Journal of Mathematical Analysis and Applications 285 (2), 621-630 (2003)

principali seminari e conferenze

- 28.** *Games with non-ordered preferences: non-emptiness of the alpha-core without continuity*, 19th SAET Conference, Ischia, Italy, June 30 – July 6, 2019
- 27.** *Equilibrium existence in games: slight single deviation property and Ky Fan minimax inequality*, European Workshop on Economic Theory, Berlin, Germany, June 13 – 15, 2019
- 26.** *Equilibrium existence in ordinal games via Ky Fan minimax inequality*, Research Group in Economic Analysis Workshop, Vigo, Spain, September 4, 2018
- 25.** *Weak maximal elements and weak equilibria in ordinal games*, 17th SAET Conference on Current Trends in Economics, Faro, Portugal, June 25 – 30, 2017
- 24.** *Weak equilibria of qualitative games (and applications to exchange economies)*, 40th AMASES, Catania, Italy, September 15-17, 2016
- 23.** *Aggregation rules in fuzzy framework: remarks on impossibility and possibility results*, 39th AMASES, Padova, Italy, September 10-12, 2015
- 22.** *Strategic form games without topological assumptions on payoffs: Is it still possible to speak on equilibrium situations?* Department of Applied Economics, University of Vigo, Spain, September 3, 2015
- 21.** *Remarks on the existence and stability of some approximate equilibria in strategic form games*, 15th SAET Conference on Current Trends in Economics, Cambridge, UK, July 27-31, 2015
- 20.** *Remarks on some approximate equilibria in discontinuous games: existence and strategic stability*, invited speaker at the workshop Advances in game theory, Reggio Calabria, Italy, May 7, 2015
- 19.** *Maximal elements and generalized Nash equilibria in a fuzzy environment*, Workshop PRIN: Robust Decision Making in Markets and Organizations Napoli, January 29-30 2015
- 18.** *Quasi-solutions to the Ky Fan minimax inequality and quasi-Nash equilibria*, Department of Economics, University of Surrey, Guildford UK, May 23, 2014
- 17.** *On the existence of Nash equilibria in discontinuous games: refinements and approximations*, UECE Game Theory and Applications, ISEG Lisbon, November 7-9, 2013
- 16.** *Essential equilibria of discontinuous games*, 13th SAET Conference on Current Trends in Economics, MINES ParisTech, France, July 22-27, 2013
- 15.** *Discontinuous stable games and efficient Nash equilibria*, 11th SAET Conference on Current Trends in Economics, Ancao (Faro), Portugal, June 26 – July 1, 2011
- 14.** *Stable Pareto efficient Nash equilibria in discontinuous games*, DYSES 2010, Benevento, Italy, September 20 – 25, 2010

13. *Bankruptcy in a fuzzy framework and new solution concepts*, VI Spain Italy Netherlands Meeting on Game Theory, Palermo, Italy, July 7 – 9, 2010
12. *Fuzzy interval cooperative games*, 9th SAET Conference on Current Trends in Economics, Ischia, Italy, June 29 - July 5, 2009
11. *Nash equilibria and continuous dependence on the data*, IV Spain Italy Netherlands Meeting on Game Theory, Wroclaw, Poland, June 26 – 28, 2008
10. *Hadamard well-posedness in some classes of discontinuous games*, XVII European Workshop on General Equilibrium Theory, Paestum, Italy, June 13 – 15, 2008
9. *A new look on continuous numerical representations for preference relations*, 8th SAET Conference on Current Trends in Economics, Kos, Greece, June 18 – 24, 2007
8. *Asymptotical Behavior of Finite and possible Discontinuous Economies*, XII Meeting on real Analysis and Measure Theory, Ischia, Italy, July 3 – 7, 2006
7. *Nice Asymptotical Behavior and Social Nash Equilibria*, Spain Italy Netherlands Meeting on Game Theory - XVI Italian Meeting on Game Theory and Applications, Foggia, Italy, June 14 – 17, 2006
6. *Discontinuous pseudo-games and applications*, Game Theory and Mathematical Economics (International Conference in Memory of Jerzy Los), Warsaw, Poland, September 6 – 10, 2004
5. *Relaxing semicontinuity in optimization and applications*, 11th Meeting on Real Analysis and Measure Theory, Ischia, Italy, July 12 – 16, 2004
4. *Parametric well-posedness and finite economies with exogenous parameters*, 13th European Workshop on General Equilibrium Theory, Venezia, Italy, June 19 – 21, 2004
3. *Relaxation of the semicontinuity for marginal functions*, International Symposium in Mathematical Programming, Copenhagen, Denmark, August 18 – 23, 2003
2. *Sufficient Conditions for Parametric Tykhonov Well-Posedness in Optimization and Non-Cooperative Games*, 15th Italian Meeting on Game Theory and Applications, Urbino, Italy, July 9 – 12, 2003
1. *Closedness and Social Nash Equilibria*, 12th European Workshop on General Equilibrium Theory, Bielefeld, Germany, May 30 – June 1, 2003

altre attività scientifiche

referee per le riviste internazionali: Economic Theory; Journal of Mathematical Economics; Journal of Mathematical Analysis and Applications; Economics Letters; Annals of Operations Research, SIAM journal on optimization; SIAM journal on control and optimization; Information Sciences; Fuzzy Sets and Systems; Journal of Optimization Theory and Applications; Journal of Global Optimization.

recapiti istituzionali

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Complesso Universitario di Monte S. Angelo, via Cinthia, 80126, Napoli.

web-pages: <http://www.docenti.unina.it/vincenzo.scalzo>; <http://wpage.unina.it/scalzo>