Martina Magliocca
Curriculum Vitæ

"Sapienza" University of Rome, Department of Mathematics
Piazzale Aldo Moro 5, 00185 Rome, Italy

Last update: Friday 13th September, 2019

Personal data

**Date & place
of birth**

Citizenship

Current residence

Education

Doctoral Degree..

Institution	University of Rome Tor Vergata, Rome, Italy
Major subject	Partial differential equations
Thesis title	The role of first order superlinear terms in local and global time behaviour of nonlinear parabolic equations
Supervisor	Professor A. Porretta – Department of Mathematics, University of Rome Tor Vergata, Rome, Italy
Graduation date & final grade	20/04/2017 – Excellent cum laude

Master Degree..

Institution	University of Rome La "Sapienza", Rome, Italy
Major subject	Partial differential equations
Thesis title	Stime di decadimento per equazioni paraboliche non lineari
Supervisor	Professor A. Dall'Aglio – Department of Mathematics, "Sapienza" University of Rome, Rome, Italy
Graduation date & final grade	30/10/2013 – 109/110

Bachelor Degree..

Institution	"Sapienza" University of Rome, Rome, Italy
Major subject	Partial differential equations
Thesis title	Analisi di un Modello di Biodegradazione
Supervisor	Professor E. Montefusco – Department of Mathematics, "Sapienza" University of Rome, Rome, Italy
Graduation date & final grade	13/10/2011 – 108/110

Positions

01/03/2019–
29/02/2020

Post Doc – "Sapienza" University of Rome, Rome, Italy

Publications & works in progress

Peer-reviewed published papers ....

o *Existence results for a Cauchy-Dirichlet parabolic problem with a repulsive gradient term*, M. Magliocca, Nonlinear Analysis, Vol. 166 (01/2018), pp. 102-143.
Also available on arXiv:1703.00834

o *Local and global time decay for parabolic equations with super linear first order terms*, M. Magliocca & A. Porretta, Proceedings of the London Mathematical Society, Vol. 118(3) (03/2019), pp. 473–512.
Also available on arXiv:1707.01761

o *Global Existence and Decay to equilibrium for some crystal surface models*, R. Granero-Belinchón & M. Magliocca, Discrete and Continuous Dynamical Systems - A, Vol. 39(4) (04/2019), pp. 2101-2131.
Also available on arXiv:1804.09645

o *Comparison results for a parabolic Cauchy-Dirichlet problem with superlinear gradient growth*, Leonori T. & M. Magliocca, Communications on Pure and Applied Analysis, Vol.18 (11/2019), pp. 2923-2960.
Also available on arXiv:1711.06634.

Preprints..

o *Regularizing effects and long time decays for quasilinear parabolic equations with p-Laplace operator*
Submitted and available on arXiv:1712.09246

Talks & Posters

Talks - Invited speaker

05/04/2016   *Existence results for a parabolic problem with nonlinear reaction terms of first order* – University of Granada, Granada, Spain

12/09/2017   *El papel de términos super lineales de primer orden en el comportamiento local y global en tiempo de ecuaciones parabólicas no lineales* – University of València, València, Spain

02/05/2019   *The regularizing effect of perturbed superlinear gradient terms in elliptic equations* – "Sapienza" University of Rome, Rome, Italy

Talks - Contributed speaker

24/05/2016   *Existence results for a parabolic problem with nonlinear reaction terms of first order* – 9° European Conference on Elliptic and Parabolic Problems, Gaeta, Italy

06/09/2017   *Local and global time decay for parabolic equations with superlinear first order terms* – 1° Congreso de jóvenes investigadores, València, Spain

19/06/2018   *Comparison results for a parabolic Cauchy-Dirichlet problem with superlinear gradient growth* – Equazioni di evoluzione: risultati recenti e prospettive, University of Salento, Lecce, Italy

23/05/2019   *The regularizing effect of superlinear terms in Elliptic and Parabolic Equations* – International Conference on Elliptic and Parabolic Problems, Gaeta, Italy

Talks - Others

23/06/2016   *On a parabolic problem with nonlinear reaction terms of first order* – University of Rome Tor Vergata, Rome
Colloquium among the Ph.D. students of the University of Rome Tor Vergata, Rome, Italy

20/04/2017   *The role of first order superlinear terms in local and global time behaviour of nonlinear parabolic equations* – University of Rome Tor Vergata, Rome, Italy
Doctoral dissertation

Posters in Conferences

17-18/05/18   *The regularizing effect of superlinear gradient terms in nonlinear parabolic equations* – Sobolev spaces and partial differential equations, Accademia dei Lincei, Rome, Italy

Teaching experiences

2016-2017..

Position	Teaching assistant
Course	Analisi Matematica 1, Bachelor's Degree in Computer Science, University of Rome Tor Vergata
Lessons Hours	25
Course level	First level
Duration	First semester (three months)

2017-2018..

Position	Teaching assistant
Course	Matematica Generale, Bachelor's Degree in Economics and Finance, University of Rome Tor Vergata
Lessons Hours	28
Course level	First level
Duration	First semester (three months)

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Position	Teaching assistant
Course	Analisi Matematica 1, Bachelor's Degree in Engineering, University of Rome Tor Vergata
Lessons Hours	28
Course level	First level
Duration	First semester (three months)

2018-2019..

Position	Professor
Course	Introductory course, University of Rome 3
Lessons Hours	12
Duration	Two weeks

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Position	Teaching assistant
Course	Matematica Generale, Bachelor's Degree in Economics and Finance, University of Rome Tor Vergata
Lessons Hours	28
Course level	First level
Duration	First semester (three months)

Abroad experiences

13-27/09/15	University of Granada, Department of Mathematics, Granada, Spain
02-17/04/16	University of Granada, Department of Mathematics, Granada, Spain
03-13/09/17	University of Valencia, Department of Mathematics, València, Spain
31/10-08/11/17	University Claude Bernard Lyon 1, Institute Camille Jordan, Lyon, France

Miscellanea

| 2014–2015 | Coorganizer of Colloquia between the Ph.D students of the three Universities in Rome, Italy |
| 2015–2016 | Organizer of Colloquia between the Ph.D. students in the University of Tor Vergata, Rome, Italy |

Languages

Italian: Mothertongue
English: Advanced
Spanish: Advanced
French: Basic

Programming

LATEX: self-taught, advanced skills

o HTML5: self-taught, advanced skills

o JavaScript: self-taught, basic skills

In compliance with the GDPR and the Italian Legislative Decree n. 196 dated 30/06/2003, I hereby authorize you to use and process my personal details contained in this document.

Friday 13th September, 2019

F.To Martina Magliocca