

DICHIARAZIONE SOSTITUTIVA DI CERTIFICAZIONE AI SENSI DEGLI
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Il sottoscritto OLIVA FRANCESCANTONIO consapevole che le dichiarazioni mendaci, la falsità negli atti e l'uso di atti falsi sono puniti ai sensi del codice penale delle leggi speciali in materia, e consapevole che ove i suddetti reati siano commessi per ottenere la nomina a un pubblico ufficio, possono comportare, nei casi più gravi, l'interdizione dai pubblici uffici, dichiara che le informazioni contenute nel seguente CV corrispondono a verità.

PERSONAL INFORMATION

First name/surname **FRANCESCANTONIO OLIVA**

• Current Position **RTD-A AT UNIVERSITY OF NAPLES "FEDERICO II"**
• Dates **From 15/04/2020**

PREVIOUS POSITIONS

• Qualification **POSTDOC RESEARCHER AT INDAM (ISTITUTO NAZIONALE DI ALTA MATEMATICA)**
• Dates **11/2018-10/2019**

• Qualification **POSTDOC RESEARCHER AT UNIVERSITY OF ROME "LA SAPIENZA"**
• Dates **07/2017-06/2018**

EDUCATION

• Dates **11/2013-02/2017**
• Title of qualification **PHD degree in mathematical models in engineering, electromagnetism and nanoscience at Engineering department (SBAI) at University of Rome "La Sapienza" on 08/02/2017. Grade : cum laude.**
• Principal subjects **Analysis of PDEs**

• Dates **2010-2013**
• Title of qualification **Master degree in Applied Mathematics at the University of Rome "La Sapienza".**
• Principal subjects **Mathematical analysis, probability**

• Dates **2005-2010**
• Title of qualification **Bachelor degree in Mathematics. Title of the thesis: "Dinamica delle popolazioni: condizioni di sopravvivenza".**
• Principal subjects **Mathematical analysis, probability.**

• Dates **2000-2005**
• Title of qualification **High school diploma at "Liceo Nomentano" in Rome.**

PUBLICATIONS

1. L.M. De Cave and F. Oliva, Elliptic equations with general singular lower order term and measure data, **Nonlinear Analysis: Theory, Methods, Applications**, 128 (2015) 391-411.
2. F. Oliva and F. Petitta, On singular elliptic equations with measure sources, **ESAIM: COCV**, 22, (1), (2016), 289-308.
3. L.M. De Cave and F. Oliva, On the regularizing effect of some absorption and singular lower order terms in classical Dirichlet problems with L1 data, **J. Elliptic Parabol. Equ**, 2, (1), (2016) 73-85.
4. L.M. De Cave, F. Oliva and M. Strani, Existence of solutions to a non-variational singular elliptic system with unbounded weights, **Mathematische Nachrichten** 290, (1-2), (2017), 236-247.
5. F. Oliva and F. Petitta, Finite and Infinite energy solutions of singular elliptic problems: Existence and Uniqueness, **Journal of Differential Equations** 264, (2018), 311-340.
6. L. M. De Cave, R. Durastanti and F. Oliva, Existence and uniqueness results for possibly singular nonlinear elliptic equations with measure data, **Nonlinear Differ. Equ. Appl.** (2018) 25: 18.
7. V. De Cicco, D. Giachetti, F. Oliva and F. Petitta, The dirichlet problem for singular elliptic equations with general nonlinearities, **Calc. Var and Pdes** 58 (4) Art 129 (2019).
8. F. Oliva, Regularizing effect of absorption terms in singular problems, **Journal of mathematical analysis and applications**, 472, (1), (2019), 1136-1166.
9. F. Oliva and F. Petitta, A nonlinear parabolic problem with singular terms and nonregular data, **Nonlinear Analysis: Theory, Methods, Applications**, 194, (2020), 111472.
10. F. Oliva, B. Sciunzi and G. Vaira, Radial symmetry for a quasilinear elliptic equation with a critical Sobolev growth and Hardy potential, **Journal de Mathématiques Pures et Appliquées**, 140, (2020), 89-109.
11. F. Oliva, Existence and uniqueness of solutions to some singular equations with natural growth, **Annali di Matematica Pura ed Applicata**, 200 (1), (2021), 287-314.
12. R. Durastanti and F. Oliva, Comparison Principle For Elliptic Equations With Mixed Singular Nonlinearities, **Potential Analysis**, in press, doi: 10.1007/s11118-021-09906-3.
13. M. Latorre, F. Oliva, F. Petitta and S. Segura de León, The Dirichlet problem for the 1-Laplacian with a general singular term and L1-data, **Nonlinearity**, 34 (3), (2021), 1792-1816.
14. M. Magliocca and F. Oliva, On some parabolic equations involving superlinear singular gradient terms, **Journal Evolution Equations**, 21, (2021), 2547–2590
15. D. Giachetti, F. Oliva and F. Petitta, 1-Laplacian Type Problems With Strongly Singular Nonlinearities And Gradient Terms, arXiv: 1910.13311, under review.
16. R. Durastanti and F. Oliva, The Dirichlet problem for possibly singular elliptic equations with degenerate coercivity, arXiv: 2105.13453, under review.

TALKS

- **04/2021** On some boundary value problems involving the 1-Laplace operator, Seminario di dipartimento, Università degli studi di Napoli "Federico II"
- **05/2019** Existence results for 1-Laplace Dirichlet problems with singular nonlinearities, International Conference on Elliptic and Parabolic Problems, Gaeta
- **03/2019** Existence and uniqueness for singular elliptic equations, University of Rouen.
- **11/2018** 1-Laplace Dirichlet problems with singular lower order terms, Workshop "New development in PDEs and related topics", Università di Napoli Federico II
- **05/2017** Existence and uniqueness of a solution to some 1-Laplace elliptic equations, International Conference on Elliptic and Parabolic Problems, Gaeta.
- **05-2016** Existence and uniqueness of a solution to some singular elliptic equation, 9th European Conference on Elliptic and Parabolic Problems, Gaeta.
- **03-2016** On the uniqueness of the solution on a singular elliptic problem, Departamento de Analisis Matematico, Universidad de Granada.
- **01-2015** Singular elliptic equations with measure data, Departamento de Analisis Matematico, Universidad de Granada.
- **04-2014** On a singular elliptic equations with measure data, Dipartimento SBAI, Sapienza

ORGANIZING ACTIVITY

- **02-2022 (future)** Workshop Pdes in presence in Rome 2022, 16-18 February 2022
- **05-2019** Minisymposium at the international conference on elliptic and parabolic problems, Gaeta 20-24 May 2019.

ABROAD EXPERIENCES

- **07/19** Visiting at the University of Valencia (Prof. Sergio Segura De Leon) (1 week)
- **03/19** Visiting at the University of Rouen (Prof. Patrizia Donato) (1 Month)
- **06/16** Visiting at the University of Lausanne (L.M. De Cave) (1 week)
- **02-04/16** Visiting at the University of Granada (Prof. David Arcoya/Tommaso Leonori).
- **10-02/15** Visiting at the University of Granada (Prof. David Arcoya/Tommaso Leonori).

RESEARCH PROJECTS:

As Principal Investigator

- **2019** P.I. for GNAMPA project (INDAM) "Esistenza e proprieta' qualitative di soluzioni per problemi ellittici singolari".
- **2015** Winner of the grant "Bando Ricerca Scientifica Anno 2015:Progetti Avvio alla ricerca" funded by University of Rome "La Sapienza".

As Member

- **2018** Sapienza University 2018 Project P.I. Lorenzo Giacomelli
- **2017** GNAMPA-INDAM 2017 Project. P.I. Virginia De Cicco
- **2016** GNAMPA-INDAM 2016 Project. P.I. Francesco Petitta
- **2016** Sapienza University 2016 Project P.I. Virginia De Cicco
- **2014** GNAMPA-INDAM 2014 Project. P.I. Lucio Boccardo
- **2014** Sapienza University 2014 Project P.I. Francesco Petitta

TEACHING ACTIVITIES

- **2020/2021** TEACHING FOR THE COURSE OF MATHEMATICAL ANALYSIS, COURSE OF INFORMATICS, DEPARTMENT OF ENGINEERING AT UNIVERSITY OF NAPLES "FEDERICO II", (72 HOURS).
- **2019/2020** TEACHING FOR THE COURSE OF MATHEMATICAL ANALYSIS II (ISTITUZIONI MATEMATICHE 2), DEPARTMENT OF ARCHITECTURE AT SAPIENZA, (37,5 HOURS).
- **2018/2019** TEACHING FOR THE COURSE OF MATHEMATICAL ANALYSIS II (ISTITUZIONI MATEMATICHE 2), DEPARTMENT OF ARCHITECTURE AT SAPIENZA, (37,5 HOURS).
- **2017/2018** TEACHING FOR THE COURSE OF MATHEMATICAL ANALYSIS II (ISTITUZIONI MATEMATICHE 2), DEPARTMENT OF ARCHITECTURE AT SAPIENZA, (37,5 HOURS).
- **2013/2014** TEACHING ASSISTANT FOR THE COURSE OF MATHEMATICAL ANALYSIS II, DEPARTMENT OF ARCHITECTURE AT ROMA 3 UNIVERSITY

OTHER INFORMATIONS

- National Scientific Habilitation functions for associate professor for "01/A3 Analisi Matematica, Probabilità e Statistica Matematica" obtained in 07/05/2021

MOTHER TONGUE ITALIAN

OTHER LANGUAGE ENGLISH

- Reading EXCELLENT
- Writing EXCELLENT
- Speaking GOOD

OTHER LANGUAGE SPANISH

- Reading EXCELLENT
- Writing GOOD
- Speaking GOOD

Autorizzo al trattamento dei miei dati personali ai sensi del D.lgs. 196 del 30 Giugno 2003

Roma 01/07/2021