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PERSONAL INFORMATION

First name/surname **FRANCESCANTONIO OLIVA**

Address -

Mobile -

E-mail -

Nationality ITALIAN

Date of birth 20/01/1987

POSITION POSTDOC FELLOW AT INDAM (ISTITUTO NAZIONALE DI ALTA MATEMATICA)

PREVIOUS POSITION

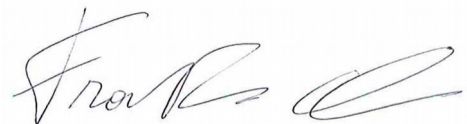
- Qualification POSTDOC RESEARCHER AT UNIVERSITY OF ROME "LA SAPIENZA"
- Dates 07/2017-06/2018

EDUCATION AND TRAINING

- 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 PDE's
- Dates 2010-2013
- Title of qualification Master degree in Applied Mathematics at the University of Rome "La Sapienza". Title of the thesis: "Existence methods for semilinear elliptic equations with an absorption term and measure data".
- 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, informatics.
- Dates 2000-2005
- Title of qualification High school diploma at "Liceo Nomentano" in Rome.

SCIENTIFIC PAPERS

1. Authors, Title and Status 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. Authors, Title and Status F. Oliva and F. Petitta, On singular elliptic equations with measure sources, **ESAIM: COCV**, 22, (1), (2016), 289-308.
3. Authors, Title and Status 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. Authors, Title and Status 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. Authors, Title and Status 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. Authors, Title and Status 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. Authors, Title and Status 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) (2019).
8. Authors, Title and Status F. Oliva, Regularizing effect of absorption terms in singular problems, **Journal of mathematical analysis and applications** 472 (1) (2019), 1136-1166.
9. Authors, Title and Status F. Oliva, B. Sciunzi and G. Vaira, Radial symmetry for a quasilinear elliptic equation with a critical Sobolev growth and Hardy potential, arXiv:1811.01599.
10. Authors, Title and Status F. Oliva and F. Petitta, A nonlinear parabolic problem with singular terms and nonregular data, to appear on **Nonlinear Analysis: Theory, Methods, Applications**.



TALKS

- **07/2019** Existence results for equations involving 1-Laplacian and singular nonlinearities, Valencia
- **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

- **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 in the group of research of Prof. Sergio Segura de Leon (1 week)
- **03/19** Visiting at the University of Rouen in the group of research of Prof. Patrizia Donato (1 Month)
- **06/16** Visiting at the University of Lausanne in the group of research of Prof. Bernard Dacorogna (1 week)
- **02-04/16** Visiting at the University of Granada in the group of research of Prof. David Arcoya.
- **10-02/15** Visiting at the University of Granada in the group of research of Prof. David Arcoya.

RESEARCH PROJECTS:

As Principal Investigator

- **2019** P.I. for GNAMPA project (INDAM) "Esistenza e proprietà 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

- **2019** Sapienza University 2016 Project P.I. Lorenzo Giacomelli
- **2017** GNAMPA-INDAM 2017 Project. P.I. Virginia De Cicco
- **2016** GNAMPA-INDAM 2016 Project. P.I. Francesco Petitta
Sapienza University 2016 Project P.I. Virginia De Cicco
- **2014** GNAMPA-INDAM 2014 Project. P.I. Lucio Boccardo
Sapienza University 2014 Project P.I. Francesco Petitta



TEACHING ACTIVITIES

- **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

MOTHER TONGUE ITALIAN

OTHER LANGUAGE ENGLISH

- Reading EXCELLENT
- Writing EXCELLENT
- Speaking GOOD

OTHER LANGUAGE SPANISH

- Reading EXCELLENT
- Writing GOOD
- Speaking GOOD

COMPUTER SKILLS AND COMPETENCES Matlab, R, Python, Fortran, Mathematica, Pacchetto Office, LaTeX, C#, sql, .net: *Good*

DRIVING LICENSE B (Italian Rank)

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

Roma 25/07/2019

