

# Curriculum Vitae

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## Personal information

Name / Surname

**Mirko, D'Ovidio**

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PEC

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Home page

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Nationality

Italian

Date of birth

September 30, 1976

## Current and previous positions

2024

Associate Professor in Mathematical Statistics and Probability - MATH-03/B,  
Department Statistical Sciences  
Sapienza University of Rome

2020

Associate Professor in Mathematical Statistics and Probability - MATH-03/B,  
Department of Basic and Applied Sciences for Engineering  
Sapienza University of Rome

2012

Researcher (Assistant Professor) in Mathematical Statistics and Probability - MAT/06  
Department of Basic and Applied Sciences for Engineering  
Sapienza University of Rome

2011

Postdoctoral fellow in Probability - MAT/06  
Department of Statistical Sciences  
Sapienza University of Rome

## Scientific interests

Non Local problems

PDEs and stochastic processes, anomalous diffusions. PDEs with non-local boundary conditions, trace processes, anomalous behaviour near the boundary

Processes on Fractals

Motions on irregular domains (irregular boundaries, irregular interfaces), trap domains

Processes on Graphs

Motions on metric graphs, trap vertices, anomalous behaviour on vertices/edges, applications to traffic/data flow models

Processes on manifolds

Random Fields on manifolds, applications to cosmological data (CMB radiation)

Non Linear problems

Fractional logistic equation, epidemiological models, probabilistic models

## Education, training and achievements

2022

National Scientific Habilitation (ASN) for permanent position of Full Professor  
01/A3 - MAT/06: June 1, 2022 - June 1, 2032

2017	National Scientific Habilitation (ASN) for permanent position of Associate Professor 01/A3 - MAT/06: March 28, 2017 - March 27, 2023
2017	Ecole d'Eté de Calcul des Probabilités de Saint-Flour (Saint-Flour, France)
2013	Ecole d'Eté de Calcul des Probabilités de Saint-Flour (Saint-Flour, France)
2011	PhD in Methodological Statistics, Sapienza University of Rome, Ph.D. Thesis: Random times and partial differential equations (Supervisor: Enzo Orsingher)
2010	Ecole d'Eté de Calcul des Probabilités de Saint-Flour (Saint-Flour, France)
2009	Ecole d'Eté de Calcul des Probabilités de Saint-Flour (Saint-Flour, France)
2007	PIMS Summer school in Probability at UBC (Vancouver, Canada)
2007	Ph.D. fellow (student position) in Methodological Statistics
2007	Degree in Statistics, Sapienza University of Rome, M.S. Thesis : Stima basata sulla trasformata wavelet discreta per serie temporali a memoria lunga (Supervisor: Francesco Battaglia)

## Personal skills and competences

Mother tongue

Other language(s)

*Self-assessment  
European level<sup>(\*)</sup>*

**English**  
**French**

## Italian

Understanding		Speaking		Writing
Listening	Reading	Spoken interaction	Spoken production	
B2	B2	B2	B2	B2
A1	A1	A1	A1	A1

<sup>(\*)</sup> Common European Framework of Reference (CEF) level

## Computer skills and competences

Operating systems: Linux/Unix, Windows

Programming Languages: C, C++, Java, JavaScript, Php, Sql

Scientific Languages: Matlab, Octave, R

Markup Languages: Html, Latex

## Teaching experience

2023	Ph.D. On the connection between non-local operators and probability, 15h
2022	Ph.D. Fractional Calculus and Probability, 15h
2021	Ph.D. Fractional Calculus and Probability, 12h
2020	Ph.D. Introduction to Fractional Calculus, 8h
2019	Ph.D. Fractional Calculus and Singular Equations (Reading course 30h), 10h
from 2018	M.S. Mathematical Methods for Chemical Engineering (ICI/Chemical Eng.), 30h
from 2012	B.S. Probabilità e Statistica (ICI/Ing. per l'Ambiente e il Territorio), 60h
from 2012	B.S. Calcolo delle Probabilità (I3S/Ing. Gestionale), 60h
2009	Master GFM Stochastic processes (Faculty of Economics), 4h
2008	Introduction to R (The R Project for Statistical Computing) (Faculty of Statistics), 12h

## Academic Activities

from 2021	Member of the Editorial Board for Fractional Calculus and Applied Analysis, Springer
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2021	Member of a PhD Committee (External Evaluator); University People's Democratic Republic of Algeria, Faculty of Sciences, Algeria
2020	Guest Editor for the special issue "Fractional and Anomalous diffusions on regular and irregular domains"- Fractal and Fractional (ISSN 2504-3110)
2020 - 2024	Member of Research Quality Assessment Dept. Committee "Commissione Valutazione (VQR)"
2019	External evaluator for a PhD Thesis, contact person Gianni Pagnini, Research Line Leader in BCAM, Bilbao Basque Country - Spain
from 2015	Member of REPRISE "Register of Expert Peer Reviewers for Italian Scientific Evaluation"
2014	External evaluator for a PhD Thesis, contact person Prof. María Dolores Ruiz Medina, Department of Statistics and Operation Research, University of Granada, Spain
from 2014	Member of GNAMPA - INdAM, Gruppo Nazionale per l'Analisi Matematica, la Probabilità e le loro Applicazioni
2013 - 2015	Member of Dept. Committee "Giunta di Dipartimento"
2013 - 2016	Member of the Editorial Board of International Journal of Statistics and Probability, ISSN 1927-7032(Print), ISSN 1927-7040(Online)
from 2012	Member of the PhD Board in "Mathematical Models for Engineering, Electromagnetism and Nanoscience", SBAI Dpt. - Sapienza University of Rome

## Research

Scopus	Citations 438; h-index 12
Publications	47 papers on international peer reviewed journals published in the fields of Probability and Statistics, Analysis and Applied Mathematics
Talks	37 talks given in national and international meetings, many are invited talks
Projects	14 research projects of which 6 coordinated as PI

## Additional information

Referee for	International projects
Referee for	International journals
Reviewer for	MathSciNet
Award	Fondo finanziamento delle attività base di ricerca, FABBR-ANVUR 2017, € 3000
Highlight	PI for the PRIN 2022, 6th in the national ranking with score 99/100, € 257280
Highlight	Adviser and/or co-adviser for 5 PhD Students

## Annexes

A1)	List of publications
A2)	List of talks
A3)	List of projects