Università di Genova

MSCA PF 2021 @UniGe

Supervisor Expression of Interest

MSCA domain
Mathematics (MAT)

1. Giovanni Alberti
2. Riccardo Camerlo
3. Eva Riccomagno

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Supervisor Expression of Interest

1.

First Name	Giovanni
Last Name	Alberti
Orcid ID	0000-0002-8612-3663
Other information	https://rubrica.unige.it/personale/VkNCXl9s
MSCA domain	Mathematics (MAT)
Research focus area	Inverse problems, partial differential equations, applied harmonic analysis, compressed sensing, machine learning
Department	Department of Mathematics
Short description of the department/laboratory/research group	The Machine Learning Genoa center (MaLGa) is an interdipartimental research center of the University of Genoa, between mathematics and computer science. Over the last few years, a growing community of mathematicians and computer scientists from Genoa has increasingly coordinated its activity within a large body of diverse yet connected topics that include Computer vision, Computational Harmonic Analysis, Data Analysis, Statistical Learning. The resulting momentum has eventually led to the creation of the MaLGa research center of the University of Genoa (https://ml.unige.it). Its basic goal is to foster fundamental research in each of these four areas with the ambition of viewing the various tasks as portions of one single endeavour that sets the interconnection of theoretical understanding and real life problems at center stage. The confluence point of the center, and in fact its main driving force in terms of human and financial resources, is Machine Learning, but its most distinctive feature is to be found in the mutual interaction of the broadly diversified research themes

	and scientific backgrounds. The resulting spectrum of competences, that range from very abstract to concretely applied, is a feature that identifies MaLGa as a bridge between Academia and Industry and thus orients its many educational activities as a combination of scholarly-oriented teaching and professional training.
Candidate fellows must send their candidature with a short description of their profile to the following email address	giovanni.alberti@unige.it

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2.

First Name	Riccardo
Last Name	Camerlo
Orcid ID	0000-0001-8362-4393
Other information	https://rubrica.unige.it/personale/UkJEXVhu
MSCA domain	Mathematics (MAT)
Research focus area	Mathematical logic and descriptive set theory
Department	Mathematics
Short description of the department/laboratory/research group	The math department at the University of Genoa has around 50 faculty members, whose expertise covers all areas of mathematics. The mathematical logic group consists of three faculty members and a few post-docs and graduate students. Its main strengths are in descriptive set theory and its applications, category theory, and modal logic.
Candidate fellows must send their candidature with a short description of their profile to the following email address	camerlo@dima.unige.it

Università di Genova
UniGe.it

tel. +39 01020991
protocollo@pec.unige.it

Via Balbi 5, 16126 Genova
P. IVA 00754150100

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3.

First Name	Eva
Last Name	Riccomagno
Orcid ID	0000-0001-7280-2772
Other information	https://rubrica.unige.it/personale/VUZBXlJg
MSCA domain	Mathematics (MAT)
Research focus area	Statistics, algebraic statistics, design of experiments
Department	Mathematics
Short description of the department/laboratory/research group	The group is small with a variety of international and national collaborations. Its research, which is in the field of statistics, makes a heavy use of mathematical tools. Recent projects dealt with large/big data analytics and data modeling via algebraic and geometric tools; statistical models & automatic systems for decision support in risk assessment; modelling of unstructured datasets with graphical models.
Candidate fellows must send their candidature with a short description of their profile to the following email address	riccomagno@dima.unige.it