

Contacts

Address, Via Dodecaneso 35, 16146 Genova, Italy

Mobile, 377 3183533

Email, sacchi@dima.unige.it

Research Interests

- Inverse Problems
- Pattern Recognition
- Signal Processing
- Image Processing
- Machine Learning

Current Position

2/11/2023- **"PhD candidate in Mathematics and Applications"**, DIMA - University of
Now Genova, Genova, MIDA - Methods for Image and Data Analysis
Supervisors: Michele Piana, Cristina Campi

Education

18/10/2023 **Master's Degree in Applied Mathematics**, University of Genova, Genova, Thesis:
Tactile exploration on Hannes prosthetic hand Grade: 110/110 cum Laude
Supervisors: prof. Giovanni Alberti (Unige), Ing. Nicolò Boccardo (IIT)

17/11/2021 **Bachelor Degree in Mathematics**, University of Genova, Genova, Thesis: *Meccanica
Celeste e teorema KAM* Grade: 110/110 cum Laude
Supervisor: Prof. Marco Benini

A.A. 2020/21 **IANUA ISSUGE High School Diploma**, University of Genova, Genova

A.A. **ISICT Diploma**, University of Genova, Genova
2018/219

Experience

1 December 2022 - 28 February 2023 **Internship**, IIT - ISTITUTO ITALIANO DI TECNOLOGIA, Genova

Miscellaneous

2020-Now Scientific animator (Festival della Scienza)

Teaching and Tutoring Experiences

Teaching

A.A. 2023/24 **Teaching Assistant**, *DIME-UniGe*, Ingegneria Gestionale
Teaching support for Statistics course

A.A. 2021/22 **Fixed-term Teacher**, *L.S.S. Martin Luter King*, Mathematics and Physics

Tutoring

A.A. 2023/24 **Tutor**, *DIMA-UniGe*, Matematica and SMID
Tutor for first year students in Statistics

A.A. 2023/24 **Tutor**, *DIMA-UniGe*
Scientific tutor for high school students at the Mathematics stage giving a lesson on mathematics applications

A.A. 2022/23 **Tutor**, *DIMA-UniGe*, Scienze Biologiche and Informatica
Tutor for first year students in Mathematics Analysis courses

A.A. 2020/21 **Tutor**, *DIMA-UniGe*
- A.A. 2021/22 Tutor for high school students in preparation for the Mathematics Olympics

Research Projects Participation

2024 **Modelli e algoritmi per dati ad elevata dimensionalità**, *INdAM-GNCS*, Coordinator: Prof. Alberto Sorrentino

2023 **Revolutionary high-resolution human 3D brain organoid platform integrating AI-based analytics (3D-BrAI_n)**, *European Innovation Council (EIC)*, Coordinator: Prof. Femke de Vrij

Memberships

2024-now Gruppo Nazionale per il Calcolo Scientifico - Istituto Nazionale di Alta Matematica (INdAM-GNCS)

Computer skills

OS Microsoft Windows, Linux
Programming Python, MATLAB, C++, R, \LaTeX

Languages

Italian Mother tongue
English Level B1

References

Michele Piana, *piana@dima.unige.it*
Ordinary Professor, DIMA - University of Genoa

Cristina Campi, *campi@dima.unige.it*
Associate Professor, DIMA - University of Genoa

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I give consent to process my data with the purpose of the recruitment process, in accordance to the Regulation of the European Parliament 679/2016, regarding the protection of natural persons and free movement of such data.

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☎ 377 3183533 • ✉ sacchi@dima.unige.it

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