

PERSONAL INFORMATION **Tiziana Cattai**

RESEARCH ACTIVITY

- February 2022– Present **Post-doctoral researcher**
ICT Lab in Department of Information Engineering, Electronics and Telecommunications (DIET) at University La Sapienza of Rome, Italy
Project titled "Community detection for signals on non-Euclidean domains with brain imaging applications" under the supervision of Stefania Colonnese
- April 2022– Present **Research activity**
Aenduo, Rome, Italy
Researcher in the project SAFEMATEECG, working on the development of a wearable ECG.
- April 2021– September 2021 **Post-doctoral researcher**
INSERM, Paris, France
Project titled "Characterization of EEG functional connectivity in newborns "under the supervision of Mario Chavez in collaboration with IBM France
- November 2017– April 2021 **PhD candidate**
Aramis Lab, Paris, France
PhD project under the joint supervision of Fabrizio De Vico Fallani (Sorbonne University) and Stefania Colonnese (La Sapienza University)
- May 2018–April 2021 **Visiting research student**
ICT Lab in Department of Information Engineering, Electronics and Telecommunications (DIET) at University La Sapienza of Rome
Regular visiting student (almost 4 months per year)
- March 2017-September 2017 **Internship**
Aramis Lab, Paris, France
Internship for master thesis in signal processing

TEACHING ACTIVITY

- April 2022– Present **Teaching activity**
Department of Information Engineering, Electronics and Telecommunications (DIET) at University La Sapienza of Rome, Italy
Teacher of the "Probability and statistics" course (32 hours) in the Master of "Servizi logistici e di comunicazione per sistemi complessi"

October 2021-June 2022 **Teaching Activity**

Wink, Rome, Italy

Teacher "Data visualization" and "Internet of Things" courses

 March-May 2019 **Teaching assistant**

PolyTech Sorbonne, Paris, France

Teaching in C practical classes (30 hours)

EDUCATION AND TRAINING

 November 2017–April 2021 **PhD**

Thesis Title: "Leveraging brain connectivity networks to detect mental states during motor imagery tasks"

Aramis Lab, Brain and Spine Institute, Inria, CNRS, Sorbonne University, Paris, France in collaboration with ICT lab, Department of Information Engineering, Electronics and Telecommunications, University La Sapienza of Rome.

 October 2015–October 2017 **Master degree**

University La Sapienza of Rome, Italy

Biomedical Engineering, 110/110 cum laude. Thesis title: "Study of coherence changes during motor imagery tasks".

 October 2012–October 2015 **Bachelor degree**

University La Sapienza of Rome, Italy

Clinical Engineering, 110/110 cum laude.

RESPONSIBILITY OF INTERNATIONAL PROJECTS

- Project leader for "Bando di Avvio alla Ricerca" project titled 'Multilayer network modeling of brain signals for functional connectivity estimation' . 2022
- Project leader of "Bando Vinci 2019" joint PhD thesis supported by "Université Franco-Italienne". Title of the project: "Exploiter le réseau de connectivité du cerveau pour détecter les états mentaux pendant l'imagerie motrice". 2019
- Project leader for "Bando di Avvio alla Ricerca" project titled 'Time-varying connectivity estimation for online Brain-Computer Interface' . 2018

OTHER

Co-Chair of Student Session of EUVIP 2023

PERSONAL SKILLS

Mother tongue Italian

Other languages

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	B2	C1	B2
French	C1	C1	C1	C1	B2

Levels: A1 and A2: Basic user – B1 and B2: Independent user – C1 and C2: Proficient user
[Common European Framework of Reference for Languages](http://europa.eu/CEFR)

Computer skills

- experience with Python, Matlab and C
- competent with Git, as well as writing tools as Latex