

# Francesco Di Luzio

## Curriculum Vitae

### Education and Training

- 2023 – Actual **Post-Doc Researcher**  
*Sapienza University of Rome, Rome.*  
**Research Area:** Explainable AI for Emotion Recognition and Behavioral Analysis
- 2020 – 2023 **PhD in Information and Communication Technologies**  
*Sapienza University of Rome, Rome.*  
**Research Area:** Deep Learning Models for Emotion Recognition and Behavioral Analysis
- 2022 **Ph.D. Abroad Visiting Period (six months)**  
*Fundació TecnoCampus Matarò-Maresme, Matarò (Barcelona), España.*
- 2018 – 2020 **Master Degree in Management Engineering - Business Intelligence & Analytics**  
*Sapienza University of Rome, Rome.*  
**Final grade:** 110/110 with honours.
- 2015 – 2018 **Bachelor Degree in Management Engineering**  
*Sapienza University of Rome, Rome.*  
**Final grade:** 110/110.

### Work Experience

- 2023 – Actual **Founder and Chief Technology Officer**  
*Innovative Startup Grid+*

### Selected Research Papers

- 2023 “A Randomized Deep Neural Network for Emotion Recognition with Landmarks Detection” F. Di Luzio, A. Rosato, M. Panella; *Biomedical Signal Processing and Control* (81).
- 2022 “Detection of Autism Spectrum Disorder by a Fast Deep Neural Network” F. Di Luzio, F. Colonnese, A. Rosato, M. Panella; *All 2022 conference.*
- 2022 “A Fast Deep Learning Technique for Wi-Fi Based Human Activity Recognition” F. Succetti, A. Rosato, F. Di Luzio, A. Ceschini, M. Panella; *progress in Electromagnetic Research, Vol 174, 127-141, 2022.*
- 2022 “A Price-aware Dynamic Decision System in Energy Communities” F. Di Luzio, F. Succetti, A. Rosato, R. Araneo, M. Panella; *EEEIC 2022 conference.*

- 2021 “ “A Blockwise Embedding for Multi-Day-Ahead Prediction of Energy Time Series by Randomized Deep Neural Networks” F. Di Luzio, A. Rosato, F. Succetti, M. Panella; IJCNN 2021 conference .
- 2021 “Multivariate Prediction of Energy Time Series by Autoencoded LSTM Networks” F. Succetti, f. Di Luzio, A. Ceschini, A. Rosato, R. Araneo, M.Panella; EEEIC 2021 conference .

## Computer skills and competences

- Advanced **Python** programming language, Jupyter, Numpy, Pandas, Tensorflow, Keras, Pythorch;  
**Linux**, Git and Github;  
**MATLAB** programming language and IDE.
- Intermediate **SQL** programming language and MySQL, Oracle SQL as RDBMS;  
**Java** programming language and Eclipse IDE.
- Beginner **R** programming language and RStudio IDE.

## Foreign languages

- English C1 - Advanced  
Spanish B2 - Nivel Intermedio  
French A2 - Niveau de Base

## Links to personal websites

- Scholar <https://scholar.google.com/citations?hl=it&user=2qD00wgAAAAJ>  
LinkedIn <https://www.linkedin.com/in/francesco-di-luzio/>  
Website <https://sites.google.com/view/nesya>  
Startup <https://gridplus.it>