Federico Baldisseri

EDUCATION AND TRAINING

01/11/2022 – CURRENT
PHD PROGRAM IN AUTOMATIC CONTROL, BIOENGINEERING AND OPERATIONS RESEARCH - AUTOMATIC CONTROL CURRICULUM Sapienza University of Rome

Research topics: Automatic Control Theory and AI for Healthcare, Networked Systems.
Activities:
- R&D for Project CADUCEO: cloud platform for intelligent prevention and diagnosis supported by AI solutions.
- Task leader for HE Project SHIELD, for prevention and prediction of diabetes and cardiovascular diseases.
- Project manager for Project MusicalMente: system for cognitive neurorehabilitation of paediatric and adolescent survivors of brain tumor based on music therapy and AI, in collaboration with Ospedale Pediatrico Bambino Gesù.
- Academic orientation services both in high schools and Academia.
- Pareticpation in B2B meetings for Horizon Europe calls funding.
- Principal Investigator of Research project funded by Sapienza University of Rome, titled "Automatic Control and Artificial Intelligence Algorithms for the Treatment of Type 1 Diabetes".
- Tutor for international students enrolling in the Master Degree in Control Engineering.
- PhD Students Representative: committee for the management of quality assurance in the doctoral program.
- Chair of Session on Control Applications at SIDRA25.

PhD schools:
- Learning-Based Predictive Control, ETH Zurich, April 2025. Robust, Stochastic, Adaptive Model Predictive Control, Bayesian Learning, Set Membership Estimation, safety filters.
- AI and Machine Learning in Healthcare Summer School, Cambridge UK, September 2024. Machine learning applications, responsible AI, advanced applications in science and healthcare, clinical and statistical AI.
- PhD School in Information Engineering, University of Padua IT, July 2023. Machine learning and optimization, Programmable networks, Mobile Networks, Cybersecurity.

01/10/2020 – 19/10/2022 Rome, Italy
MASTER OF SCIENCE IN CONTROL ENGINEERING Sapienza University of Rome

Selected in the top 5% of the course for the Student Honors Program.
Won the *Regione Lazio Vitamina G* competition with Project *MusicalMente* in collaboration with *Ospedale Pediatrico Bambino Gesù.*

Final grade 110/110 cum Laude

10/2017 – 07/2020 Rome, Italy
BACHELOR OF SCIENCE IN MANAGEMENT ENGINEEERING Sapienza University of Rome

Selected in the top 10% of the course

Final grade 110/110 cum Laude

09/2012 – 07/2017 Rome, Italy
HIGH SCHOOL DIPLOMA Classical Liceum Francesco Vivona

Worthy Student Award

Final grade 100/100

WORK EXPERIENCE

🏛 **SAPIENZA UNIVERSITY OF ROME** – ROME, ITALY
SCOLARSHIP RESEARCHER – 01/10/2022 – 31/10/2022

Learning methods for Automatic Control in biomedical applications

🏢 – ROME, ITALY

PRIVATE LECTURES – 2020 – 2022

Private lectures for middle and high school on maths, physics, and science.

🏢 **ARGENTARIO FEDERAL SAILING SCHOOL** – GROSSETO, ITALY

SAILING INSTRUCTOR – 2016 – 2021

Sailing lessons for children and adults.

LANGUAGE SKILLS

Mother tongue(s):   **ITALIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C1	C2	C1	C1	C1
FRENCH	A2	A2	A1	A1	A2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

SKILLS

Microsoft Office

Microsoft Word | Microsoft Powerpoint | Microsoft Excel

Programming Languages

Python (Mathematical) | C# | C++ | MATLAB | Simulink

Others

LaTeX | SQL