



Massimo Micolitti



Education

January 2027
↑
October 2025
October 2026
↑
October 2023

Professor at Medicine Department of University of Verona

Course title: Sensors and Data analysis in Medicine - "Master's degree in Medicine and Surgery"

PhD

PULP Group - ETH Zurich - University of Bologna

Supervisors: Simone Benatti, Davide Rossi, Luca Benini

Course and Achievements:

- Data analysis of peripheral physiological signals (EDA, ECG, PPG, sEMG) in correlation with the Autonomic Nervous System (ANS)
- Muscle Oxigenation and Cuffless blood pressure analysis based on MINOS, an high density led-Photodiodes matrix system for wearable applications.
- DermaBridge: mixed signal platform for accurate measurements of tonic and phasic component of electrodermal activity (EDA).
- INTEGRO protocol in collaboration with Prof. Del Piccolo (University of Verona) - Clinical Psychology Department of the Integrated University Hospital System (AOUI) of Verona for the analysis of in-phase synchrony in patient with Fibromyalgia based on peripheral physiological analysis.
- Design of sEMG armband for robotics and hand gesture recognitions based on GAPWatch, a RISC-V-based wearable device for biopotential analysis.
- Design of SHIELD, a physiological signals platform targeting the unobtrusive monitoring of the driver physiological state

October 2023
↑
October 2021

Master Degree Electronics Engineering

Engineering Department Enzo Ferrari - UniMoRe

Course and Achievements:

- Grade: 110 Cum laude
- Thesis: "Design of an Innovative Embedded System for Electrodermal Activity"

October 2021
↑
October 2018

Bachelor Degree in Electronics Engineering

Engineering Department Enzo Ferrari - UniMoRe

Course and Achievements:

- Grade: 107/110
- Thesis: "Implementation of a cruise control system for a Formula Student Driverless car"



Educational/Work Experience

sett. 2022
↑
feb. 2020

Electronics Division Leader

MMR Racing Team Formula Student Driverless

Goals:

- Production of a self-driving car as part of Formula SAE
- Responsible for management and development of STM32 microcontroller programming departments
- Development of control systems for a Formula SAE self-driving car in a Matlab and Simulink environment
- Planning and Management Electronic Division



Contact e Info



Personal Email

massimo.micolitti@icloud.com

Personal Phone Number

3317766826

Birthday

01/04/1999



Skills

- BioSignals and Biomedical Applications
- C/Python Programming Language
- Matlab, Simulink
- PCB and 3D-CAD Design
- Flexible and stretchable electronics for biosignals acquisitions
- Advanced background of microcontrollers and embedded systems