


EUROPEAN FORMAT
CURRICULUM VITAEPERSONAL
INFORMATIONName **SABATO MELLONE**

PhD in Biomedical Engineering

My main research activities are in the area of data and signal processing, medical informatics, ICT in clinical practice, wearable and embedded sensors, personal health systems design and validation, eHealth and mHealth applications.

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N. Documents	58
N. of Citations (including self-citations)	1.482 by 1,196 Documents
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NATIONAL SCIENTIFIC QUALIFICATION

- **Dates** From 18/11/2020 to 18/11/2029
- National scientific qualification as Associate Professor
- Sector 09/G2 - Bioengineering

CURRENT ASSIGNMENT(S)

- **Dates** October 2022
- **Position** **Senior assistant professor**
- **Organization** Department of Electrical, Electronic and Information Engineering «Guglielmo Marconi» (DEI) - University of Bologna - Italy
- **Principal subjects/occupational skills covered** Medical informatics, medical devices, data and signal processing, ICT in clinical practice, wearable and embedded sensors, personal health systems design and validation, eHealth and mHealth applications.
- **Dates** December 2022
- DARE (Digital Lifelong Prevention) initiative – (PNC-I.1 "Iniziativa di ricerca per tecnologie e percorsi innovativi in ambito sanitario e assistenziale" D.D. 931, 06/06/2022 - PNC0000002, CUP B53C22006450001 funded by the National Plan for NRRP Complementary Investments - Law Decree May 6, 2021, n. 59, converted and modified as to Law n. 101/2021 Research initiatives for technologies and innovative trajectories in the health and care sectors**
- **Role** **WP Leader**, WP4: Technology and Analytics – Spoke 1: Enabling Factors and Technologies for Digital Prevention
- **Dates** From October 2022
- Workpackage leader, responsible for the system design and development technology development**, within the multidisciplinary project EDITH (an Ecosystem for Digital Twins in Healthcare, **Digital Europe programme**) aimed to foster an inclusive ecosystem for Digital Twins in healthcare in Europe. The ecosystem will be leveraged to create a repository catalogue with available resources and a framework for a simulation platform for demonstrating mature models and prototypes.

- **Dates** From October 2021
CTO of the AlmaHealthDB project. The AlmaHealthDB (AHDB) infrastructure will allow researchers from UNIBO and the three research hospitals in Bologna to collect and access large volumes of data in compliance with legal, organizational, and regulatory requirements. AHDB will support data FAIRness with dedicated services for data curation, data quality management, analysis of legal requirements, standardization of data and metadata.
- **Dates** From April 2021
Participation in the Joint Action Towards the **European Health Data Space – TEHDAS** as a stakeholder in **TEHDAS Stakeholder forum and WP4 Project forum**. The THEDAS Joint Action project develops European principles for the secondary use of health data.
- **Dates** From January 2021
Responsible for the technology development for the work commissioned by Istituto Italiano di Tecnologia (IIT). TWINMED project: development of a new exoskeleton with innovative biofeedback mechanisms and advanced rehabilitation functions.

EDUCATION AND TRAINING

- **Dates** From January 2010 to December 2012
- **Qualification** **PhD in Bioengineering**
- **Organization** Department of Electronics, Computer Science and Systems (DEIS), - Faculty of Engineering - University of Bologna - Italy
- **Dates** December 2008
- **Qualification** **Master of Science – Electronic Engineering** – oriented to Biomedical Engineering (Score 105/110)
- **Organization** Faculty of Engineering - University of Bologna - Italy

TECHNOLOGY TRANSFER

- **Dates** Since July 2014
Co-founder of the **University spin-off company** mHealth Technologies srl (Bologna, Italy), born following successful experiences matured in national and international research activities in the field of active and healthy ageing and in the field of movement disorders such as Parkinson's Disease. The ambitious objective of mHealth Technologies srl is to take healthcare out of the hospital and to embed it into people's lives.
Medical device manufacturer
 - **Responsible for regulatory compliance (MDR 2017/745)**
 - **Post-market surveillance and clinical follow-up**
 - **UNI EN ISO 13485**
- **Role and professional competencies**

PATENTS

Publication date: 2021-11-18

[WO2021229529A1](#) SYSTEM FOR THE DETECTION AND ACQUISITION OF PHYSIOLOGICAL AND MOTOR PARAMETERS THROUGH WEARABLE SENSORS

Publication date: 2022-02-10

[WO2022029708A1](#) SYSTEM FOR OVERCOMING FOG (FREEZING OF GAIT) EPISODES