

WORK EXPERIENCE

01/10/2024 – CURRENT Aalborg, Denmark

Research Assistant Aalborg University

Neurorehabilitation Systems - Closed-loop control of bionic limbs

01/10/2021 – 30/09/2024 Pisa, Italy

PhD in Biorobotics Scuola Superiore Sant'Anna

Artificial Hands Area, The Biorobotics Institute

15/09/2020 – 15/09/2021 Pisa, Italy

Research Assistant Scuola Superiore Sant'Anna

Movement Analysis Laboratory, The Biorobotics Institute

EDUCATION AND TRAINING

01/10/2017 – 06/06/2020 Milano, Italy

Master of Science in Biomedical Engineering Politecnico di Milano

Field of study Ingegneria Biomedica | **Final grade** 108 | **Thesis** A Multi-Channel Rule-Based Functional Electrical Stimulation

01/10/2014 – 16/09/2017 Milano, Italy

Bachelor of Science in Biomedical Engineering Politecnico di Milano

Field of study Ingegneria Biomedica | **Final grade** 100

DIGITAL SKILLS

SOFTWARE DEVELOPMENT

Visual Studio (C#) | Unity 3D engine | Processing

FIRMWARE DEVELOPMENT

Arduino | MPLAB (C)

SIGNAL PROCESSING

Matlab | Labview

GRAPHICAL EDITING

Inkscape | Power Point

LANGUAGE SKILLS

MOTHER TONGUE(S): Italiano

Other language(s):

English

Listening C1

Spoken production C1

Reading C1

Spoken interaction C1

Writing C1

Spanish

Listening A2

Spoken production A2

Reading A2

Spoken interaction A2

Writing A2

Danish

Listening A1

Spoken production A1

Reading A1

Spoken interaction A1

Writing A1

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

PUBLICATIONS

2024

● [**An Instrumented Glove for Restoring Sensorimotor Function of the Hand through Augmented Sensory Feedback**](#)

E. Vendrame, L. Cappello, T. Mori, R. Baldi, M. Controzzi, C. Cipriani

2023

● [**A Wearable Device for Hand Sensorimotor Rehabilitation Through Augmented Sensory Feedback.**](#)

E Vendrame, A Coletti, L Cappello, E Mastinu, C Cipriani

2022

● [**Performance assessment in archery: A systematic review**](#)

E Vendrame, V Belluscio, L Truppa, L Rum, A Lazich, E Bergamini, A. Mannini

2021

● [**Muscle synergies in archery: an explorative study on experienced athletes with and without physical disability***](#)

E Vendrame, L Rum, V Belluscio, L Truppa, G Vannozzi, A Lazich, E. Bergamini, A. Mannini

2021

● [**Wearable sensors in sports for persons with disability: A systematic review**](#)

L Rum, O Sten, E Vendrame, et al

2023

● [**Inertial measurement units-based assessment of gait to identify depression**](#)

G Fransvea, E Vendrame, E Patron, F Mura, C Cipriani, C Gentili, A. Mannini

2020

● [**An experimental comparison towards autonomous camera navigation to optimize training in robot assisted surgery**](#)

A Mariani, G Colaci, T Da Col, N Sanna, E Vendrame, A Menciassi, E De Momi