

Andrea Baldoni, *Ph.D.*

MSc. Mechanical Engineer, Inventor

Education:

Ph.D. in Biorobotics

The BioRobotics Institute of Scuola Superiore Sant'Anna di Pisa in Wearable Robotics Lab.
– Haed Prof. Nicola Vitiello

Thesis: ***Design & Development of Novel Wearable Robots***

Date defence 28/05/2019

Mark: 100/100 cum laude

MSc Mechanical Engineering (LM33)

Università degli Studi di Perugia
– Laurea magistrale in ingegneria meccanica

Thesis: ***Feasibility Study to develop a sail Suez-Max Tanker***

Date defence: 18/07/2013

Mark: 102/110

BSc Mechanical Engineering

Università degli Studi di Perugia
– Laurea magistrale in ingegneria meccanica

Date defence: 18/07/2013

Mark: 96/110

Post Doc position as Assistant Researcher

@The BioRobotics Institute in Wearable Robotics Laboratory – Head: Prof. Nicola Vitiello & Dr. Simona Crea



Sant'Anna
Scuola Universitaria Superiore Pisa

I am a senior mechanical engineer with many years of significant work experience in designing and prototyping (R&D) dynamic modeling of complex mechatronic devices (i.e., exoskeletons, prostheses, and hybrid technology) with very good results.

In these years I invented and conceived several novel robots, mechanisms, concepts, and layouts (mostly) related to the Wearable Robotics field.

My role in the team is to lead the technical sub-team composed of 6 mechanical and aerospace engineering profiles.

I am also taking care of most of the Intellectual Property (IP) management of the WR Lab (i.e., patent applications), certification processes as much of the micro-management of the whole Team (i.e.: orders, budget, facilities, etc.).

In 2016, with some colleagues of mine, we founded **IUVO S.r.l.** nowadays controlled by a joint venture between COMAU and OSSUR.



Knowledge Transfer Manager

@ Transfer Technology Office of Scuola Superiore Sant'Anna – Head: Prof. Paolo Dario & Dr. Monia Gentile



Sant'Anna
Scuola Universitaria Superiore Pisa

My main activity is assisting researchers of the Scuola in extrapolating the inventive step from their idea to submit a patent as strongly as possible, designing the strategy protection. Therefore, I follow most of the interactions with the patent attorney (i.e.: technical meetings, drafting ideal claims, revising, and rebutting patents after the research reports).

With a team-working attitude, I also support the TTO office in ordinary functions, for example (i) the management of the entire patent portfolio and all intellectual property of the Scuola Superiore Sant'Anna; (ii) establishment of new spin-offs; (iii) management of relationships between spin-offs, University, and networking; (iv) enhancement of patents and know-how; (v) supports the projects who the office is involved in; (vi) reporting; etc.

Consultant activity

In 2021, I supported some companies in innovative mechanical design in working areas that are not part of wearable robotics (i.e.: transport, infant accessories).

Nowadays, I am seriously thinking to find an engineering consulting studio to get some ideas "out of my mind".

Some numbers:

- 17 family patent applications as the primary inventor.
- 21 between journal papers, book chapter and conference papers.
- 18 projects in who I dealt with for technical and management role.

I authorize the processing of my personal information under D. Lgs. 196/03.

Pontedera, 02/08/2022

Andrea Baldoni